

## SPECIAL PARTS CATALOG SUPPLEMENT



## 545-B WHEEL LOADER

CONTRACT FOR  
THE CITY OF NEW YORK

( 4-81 )

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NOTE: This supplement must be used in conjunction with 545-B Parts Catalog Form 73074810,  
Second Printing dated 2-81.

## LOADER SERIAL NUMBERS:

33A07947	33A08007	33A08013	33A08017	33A08025	33A08029	33A08033	33A08039	33A08046
33A07958	33A08009	33A08014	33A08018	33A08026	33A08030	33A08035	33A08042	33A08048
33A08003	33A08010	33A08015	33A08023	33A08027	33A08031	33A08036	33A08044	33A08049
33A08005	33A08012	33A08016	33A08024	33A08028	33A08032	33A08037	33A08045	

Loaders Serial Number 33A07958, 08023, 08024, 08025, 08029, 08030, 08031 are equipped with 1.75 cu.yd. Side Dump Bucket; all others are equipped with 1.75 cu.yd., 4-1 Multipurpose bucket.

Replace or add the following pages:

13	Revised	40E	Added	191	No change	229	No change	247B	No change
14	No change		BLANK	192	Revised	229A	Added	247C	Added
21	No change	61	Revised	192A	Added	229B	Added	247D	Added
22	Revised	62	No change			230	No change	248	No change
25	Revised	99	No change	193	No change	220A	No change	249	No change
26	Revised	100	Revised	194	Revised	220B	Revised	250	Revised
29	No change	155	No change	195	Revised	220C	Added	251	Revised
30	Revised	156	Revised	196	No change	220D	Added	252	No change
30A	Added	163	No change	203	Revised	220E	Added	254A	No change
	BLANK	164	Revised	204	No change	220F	Added	254B	Revised
39	Revised	168A	Revised	207	No change	221	Revised	254C	Added
40	No change	168B	No change	208	Revised	222	Revised		BLANK
40A	No change	169	Revised	209	Revised	225B	No change	267	Revised
40B	Revised	170	No change	210	No change	226	Revised	267A	Revised
40C	No change	179	Revised		BLANK	227	Revised	267B	No change
40D	Added	180	Revised	216	Revised	228	Revised	267C	Added
								267D	Added
								268	No change

Any product change described in this publication is part of the continuing effort of Fiat-Allis to make its product responsive to customer need and is not to be construed as a field campaign. A product change may be incorporated with or without prior notice and without obligation to Fiat-Allis or its affiliates.

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# ADDITIONAL PUBLICATIONS AVAILABLE

FOR

Model 545-B WHEEL LOADER (Series 21C, 10L, 21S, and 33A)

Consult your Fiat-Allis Construction Machinery dealer for other service manuals available for your unit. See Technical Publications Index (Form 70658800) for all available publications. Technical Publication Index (Form 70658800) is available FREE from your dealer.

DESCRIPTION	FORM NO.					
	ENGLISH	ESPAÑOL (Spanish)	PORTUGUES (Portuguese)	FRANCAIS (French)	DEUTSCH (German)	ITALIANO (Italian)
<u>Parts Catalogs</u> Cab Glass	70698502					
<u>Operation and Maintenance Instruction Manual</u>	73071152	73057564		73057566	60400078	73062981
<u>Service Manuals</u>						
Axles	*73053547	73061828		73061841	73063292	73063279
Brakes & Air System	*73059356	73061833		73061846	73063297	73063284
Bucket & Chassis	*73055458	73061830		73061843	73063294	73063281
Electrical System	*73059704	73061834		73061847	73063298	73063285
Engine	*70687161	73111934		73111935		
Fuel Injection Nozzle	70682797					
Fuel Injection Pump - Simms	70685931					
Fuel Injection Pump - Roosa Master	73112988					
Loader Hydraulic System	*73059681	73061829		73061842	73063293	73063280
Power Steering System	*73068993	73061832		73061845	73063296	73063283
Transmission, Torque, Converter, Charging Pump	*73059226	73061831		73061844	73063295	73063282
Turbocharger	*70687805			70679635		
Service Manual Set	73061032					

\*Included in Service Manual Set

## IMPORTANT

Attaching parts such as bolts, nuts, rivets, screws, washers, etc., are indented immediately following the parts which they attach.

Parts indicated with a square ( ☐ ) are also available in packaged sets. Refer to section titled "PACKAGED PARTS".

The terms "right" and "left" used throughout this parts catalog are determined by facing the direction of forward travel.

The engine is mounted unconventionally with the flywheel toward the front of the machine, but all engine parts are designated in respect to the engine as it would be installed in a conventional machine with the flywheel to the rear.

## INSTRUCTIONS FOR ORDERING PARTS

Order parts from the dealer covering the local territory.

ALWAYS GIVE THE MODEL AND SERIAL NUMBER OF MACHINE. IF PARTS ARE FOR AN ASSEMBLY WHICH HAS A MODEL AND/OR SERIAL NUMBER (SUCH AS ENGINE ASSEMBLY, PUMP ASSEMBLY), ALSO INCLUDE THIS INFORMATION.

To obtain parts promptly, give part name and part number.

Give post office address, town, county and state where parts are to be shipped. Also specify whether material is to be shipped by freight or parcel post.

Confirm all telephone or telegraph orders in writing.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned, at the customer's expense, to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company and not with Fiat-Allis.

The right is reserved to change the construction or material of any parts where it seems desirable to do so without incurring the obligation of installing such changes on units already delivered.

The information contained herein is general in nature and is not intended for specific application purposes. Fiat-Allis reserves the right to make changes in specifications shown herein or add improvements, at any time without notice or obligation.



## MODEL IDENTIFICATION

The symbol listed below is stamped in front of the model serial number on each unit.

MODEL SYMBOL	ENGINE MODEL	DESCRIPTION
545-B	2900 MK II	Turbocharged Diesel powered engine, articulated four wheel drive loader equipped with: power shift transmission, torque converter, planetary axles, power steering and power brakes.

## SERIAL NUMBER LOCATIONS

**LOADER SERIAL NO:** On plate attached to the left side of the bonnet in rear of operators compartment or on left side of platform.

**ENGINE SERIAL NO:** On plate attached to the right hand side of the engine block.

**TRANSMISSION SERIAL NO:** On plate attached to the right side of the transmission housing.

**AXLE SERIAL NO:** On plate attached to the axle housing.

## RECORD YOUR SERIAL NUMBERS BELOW

WHEEL LOADER SERIAL NO. \_\_\_\_\_

ENGINE SERIAL NO. \_\_\_\_\_

TRANSMISSION SERIAL NO. \_\_\_\_\_

AXLE SERIAL NUMBERS:

FRONT \_\_\_\_\_

REAR \_\_\_\_\_

## MODEL SERIAL NUMBER

\* **SERIAL NUMBER** consisting of all 8 characters must always be submitted for positive identification of your machine.

\* **SERIAL NO.**

LOADER MODEL	PRODUCT CODE	UNIT NO.
545 B	21C	04201
	10L	04201
	21S	04201
	33A	04201

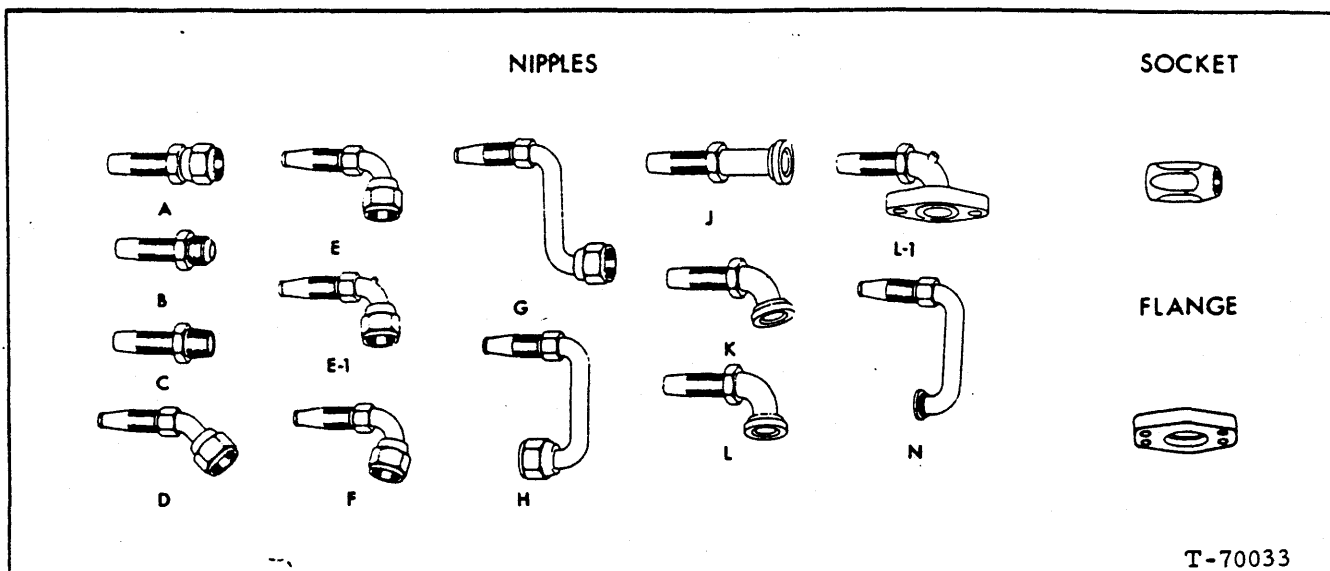
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MEMO



NOTE: Refer to left hand column for identity of original hose. Hose is crimped-type (fitting not re-usable) unless otherwise noted. Equivalent hose assembly may be constructed from data indicated.

ORIGINAL HOSE ASSY NUMBER	BULK HOSE	HOSE LENGTH (inches)	NIPPLE (#1 end)			NIPPLE (#2 end)			SOCKET (both ends)
			ASSY. NO. (w/ socket)	NIPPLE only		ASSY. NO. (w/ socket)	NIPPLE only		
73043353	70920793	40-3/8	70920942	70921562	A	70920942	70921562	A	70920971
73044144	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972
73044145	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972
73044146	70920795	22-1/4	70920945	70922831	A	70920945	70922831	A	70920973
73044164	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972
73044165	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972
73044172	70920793	77-1/4	70920951	70921563	E	70920961	70921302	K	70920971
73044802	70920727	24-3/4	70920852	70920344	A	70920852	70920344	A	70919281
73047173	70920795	25-3/16	70924408	70923259	K			E	70920973
73052396	70920982	49-1/4	70921020	70922830	A	70921020	70922830	A	70920972
73053208	70924031	18-3/4	70924041						
73053209	70920794	30-1/4	70921020		A	70926039		L	70920972
73053210	70920794	25	70924177	70921513	L	70926039	70924978	L	70920972
73054019	70920221	32	70920852	70920344	A	70920867	70919277	E	70919281
73057704	70922347	34-3/4	70920852	70920344	A	70920852	70920344	A	70919281
73057706	70920388	25-1/2	70920806		A				
73057707	70920720	29-1/2	70920828		R	70920805		D	
73058071	70920388	26-3/4	70920806		D				
73058072	70920388	10-7/16	70920806		D	70920389		P	
*73056768	70924031	38-15/16	70928340		A	70928340		A	
73070493	70920383	25-3/8	70920806		A				
*73046776	70922355	46	70920944	70920978	A	70920944	70920978	A	70920972
*73071129	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972
*73071130	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972
*73071131	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972
*73071132	70920794	32	70923506	70922894	L	70923506	70922894	L	70920972

\*Includes hose guard

## PACKAGED PARTS

### PACKAGE NO.

### DESCRIPTION

73048750	REPAIR KIT, alcohol injector (See page 136)
73056492	REPAIR KIT, dump cylinder (See page 176)
73056485	REPAIR KIT, lift cylinder (See page 178)
73064517	REPAIR KIT, steering cylinder (See page 164)
73061711	REPAIR KIT, master cylinder (See page 138)
73021893	REPAIR KIT, wheel cylinder (See page 126)
73048402	REPAIR KIT, air application valve (See page 154)
74024604	REPAIR KIT, water pump (See page 60)
73031056	LINING KIT, parking brake (See page 120)
73058675	LINING KIT, front and rear axle (See pages 123 and 125)
.....	DECAL KIT (See page 275)

73024625 SHIM KIT, pinion bearing cage assy., rear axle

1	73024624	SHIM (.003" thick)
1	73024626	SHIM (.005" thick)
1	73024627	SHIM (.010" thick)

73046168 SEAL AND GASKET KIT, transmission (2-speed forward, 1-reverse)

24	73021041	NUT
1	73021053	*SEAL, oil, shifter shaft
2	73067517	GASKET, strainer and core cover
1	73021058	RING, seal
1	73026156	*SEAL, oil
1	73027012	RING, seal, cover
1	73031847	CUP, cut-off plug
1	73035714	RING, seal, hi-clutch
1	73035745	RING, seal
2	73042138	*SEAL KIT (Includes expander)
2	73042146	*SEAL KIT (Includes expander)
1	73042151	SEAL KIT (Includes expander)
6	73044377	STRIP, locking, pump retainer
1	73044382	RING, seal
1	73044386	GASKET, oil pump
1	73044390	GASKET, housing, transmission
1	73044400	RING, seal, suction tube nut
1	73044402	GASKET, cover, oil pump
1	73044409	SEAL, oil
1	73044410	GASKET, rear cover
1	73044411	RING, seal, rear cover
3	73044414	NUT (two required for this transmission)
2	73044422	RING, seal, 2nd. turbine
6	73044460	TAB, lock, piston housing
2	73044462	SEAL, oil, output shaft
2	73044474	GASKET
1	73044485	GASKET, trimmer valve
2	73044489	GASKET, cut-off plug
6	73046029	STRIP, locking
1	73048782	GASKET, control valve
1	73051197	DIAPHRAGM AND SEAL ASSY.

\*Not required for this application.

(Continued)

## PACKAGED PARTS

PACKAGE NO.	DESCRIPTION	
73046168 (Cont'd)	SEAL AND GASKET KIT, transmission (2-speed forward, 1-reverse)	
	1	73054475 GASKET, pump, torque converter
	1	73055857 SEAL, oil
	2	73058791 RING, seal
	2	73058792 RING, seal
	2	73058793 RING, seal
	2	73063376 SEAL, oil valve (one required for this transmission)
73046957	SEAL AND GASKET KIT, transmission (2-speed forward, 2-reverse)	
	24	73021041 NUT, converter cover
	1	73021053 *SEAL, oil
	2	73067517 GASKET
	1	73021058 RING, seal, cut-off, valve plug
	2	73021121 RING, seal, low piston
	1	73026156 *SEAL, oil pump body
	1	73027012 RING, seal, cover
	1	73027016 *RING, seal converter drive
	1	73031847 CUP, plug
	1	73042138 *SEAL KIT (Includes expander)
	2	73042146 *SEAL KIT (Includes expander)
	1	73042147 SEAL KIT (Includes expander)
	6	73044377 STRIP, locking, pump retainer
	1	73044382 RING, seal, input gear
	1	73044386 GASKET, oil pump
	1	73044390 GASKET, transmission housing
	1	73044400 RING, seal, nut, suction tube
	1	73044402 GASKET, pump cover
	1	73044409 *SEAL, oil
	1	73044411 RING, seal, rear housing
	2	73044414 NUT, drive flange
	2	73044422 RING, seal, ground sleeve
	2	73044462 SEAL, oil
	2	73044474 GASKET, plug
	1	73044485 GASKET, trimmer valve
	2	73044489 GASKET, cut-off, valve plug
	1	73076470 GASKET, adapter, rear housing
	2	73045289 RING, seal, piston housing
	1	73045313 SEAL KIT (Includes expander)
	1	73045320 GASKET, rear housing
	1	73045327 SEAL, oil
	1	73048782 GASKET, control valve
	1	73051197 DIAPHRAGM AND SEAL ASSY.
	1	73054475 GASKET, pump
	1	73055857 SEAL, oil
	2	73058791 RING, seal
	2	73058792 RING, seal
	2	73058793 RING, seal
	1	73063376 SEAL, range selector valve

\*Not required for this application

(Continued)

# PACKAGED PARTS

## PACKAGE NO.

## DESCRIPTION

74008992

GASKET KIT, oil pump and pan

2	70921206	O-RING
1	74021022	GASKET, oil pan
1	74023459	GASKET, suction tube
1	74024001	GASKET, pump body

74008994

GASKET KIT, cylinder head

1	70242095	GASKET
7	70917806	SLEEVE
6	70921884	O-RING
12	70928953	O-RING
6	70930506	O-RING
2	70932958	O-RING
1	70933649	O-RING
2	74007631	GASKET
2	74007679	GASKET
1	74007790	GASKET
1	74007850	GASKET
1	74008041	GASKET
1	74008074	GASKET
1	74008795	GASKET
3	74020090	GASKET
1	74021332	GASKET
1	74023504	GASKET
1	74023554	GASKET
6	74024010	SHIELD
1	74024554	GASKET
2	74025101	GASKET
1	74025120	GASKET
6	74025150	GASKET
1	74025781	GASKET
1	74027719	HOSE
1	74027946	GASKET
1	74027975	HOSE
1	74028190	GASKET
3	74253832	GASKET
2	74255983	SLEEVE
1	74339532	GASKET
1		INSTRUCTION SHEET,turbo mounting

74008995

GASKET KIT, engine overhaul

1	70226012	GASKET
12	70917807	SLEEVE
4	70917808	SLEEVE
4	70918802	SLEEVE
4	70918980	SLEEVE
1	70921206	O-RING
1	70923684	O-RING
2	70923817	O-RING
2	70923958	GASKET
1	70923971	O-RING
4	70923973	O-RING

(Continued)



# PACKAGED PARTS

PACKAGE NO.

DESCRIPTION

74008995

(Continued)

GASKET KIT, engine overhaul

2	70928944	O-RING
4	70931309	O-RING
1	74008103	KIT, wear sleeve
1	74008549	GASKET
1	74008992	GASKET KIT, oil pan
1	74008994	GASKET KIT, cylinder head
1	74020016	O-RING
6	74020032	O-RING
1	74020098	GASKET
1	74020879	O-RING
1	74023567	GASKET
1	74023813	GASKET
1	74023480	GASKET
1	74023816	GASKET
6	74023827	O-RING
1	74023859	GASKET
1	74024018	GASKET
1	74024561	SEAL
1	74024562	SEAL
2	74025101	GASKET
1	74025019	GASKET
1	74025021	GASKET
1	74025120	GASKET
1	74025343	GASKET
2	74026549	GASKET
1	74026887	GASKET
1	74036088	GASKET

74061938

SLEEVE KIT (for one cylinder)

1	-----	SLEEVE
1	74020032	O-RING
1	74023827	O-RING

74062359

PISTON KIT (for one cylinder)

1	-----	PISTON
2	70927693	RETAINER
1	74062157	RING SET
1	74023970	PIN

(Revised June 1984)

# PACKAGED PARTS

PACKAGE NO.

DESCRIPTION

75121224

PISTON AND SLEEVE KIT (For one cylinder)

1	74062359	PISTON KIT
1	74061938	SLEEVE KIT

74009208

NOZZLE AND LINES CONVERSION KIT (Lower opening  
type nozzles)(Engines prior to S/N 49-12167)

1	70920411	TEE
6	74009013	NOZZLE AND HOLDER ASSY.
6	74009035	WASHER
6	74009040	SHIELD
1	74009060	TUBE
1	74009061	TUBE
1	74009062	TUBE
1	74009063	TUBE
1	74009064	TUBE
1	74009065	TUBE
1	74009092	TUBE
1	74009128	TUBE
12	74009199	CAPSCREW
6	74322188	SCREW
6	74322189	GASKET
6	74322293	FLANGE
12	74504411	SLEEVE
12	74504409	NUT
1	-----	INSTRUCTION SHEET

(Revised June 1984)

"FILTER CARE" KIT

MODEL: 545B ENGINE S/N 2D-112196 & UP

250 HOUR KIT

PART NUMBER: 75124727

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
2	70663977	GASKET HYDRAULIC FILTER
1	70926821	O'RING HYDRAULIC FILTER
1	70666421	HYDRAULIC FILTER
2	74035556	LUBE OIL FILTER

NOTE: For machines equipped with a bypass lube oil filter, sell the customers one 74060879 as a separate item in addition to the Filter Care Kit.

500 HOUR KIT

PART NUMBER: 75124730

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
2	70663977	GASKET HYDRAULIC FILTER
1	70926821	O'RING HYDRAULIC TANK
1	70666421	HYDRAULIC FILTER
2	74035556	LUBE OIL FILTER
1	74029089	COOLANT FILTER
1	74321716	FUEL FILTER

NOTE: For machines equipped with a bypass lube oil filter, sell the customers one 74060879 as a separate item in addition to the Filter Care Kit.

"FILTER CARE" KIT

MODEL: 545B ENGINE S/N 2D-112196 & UP

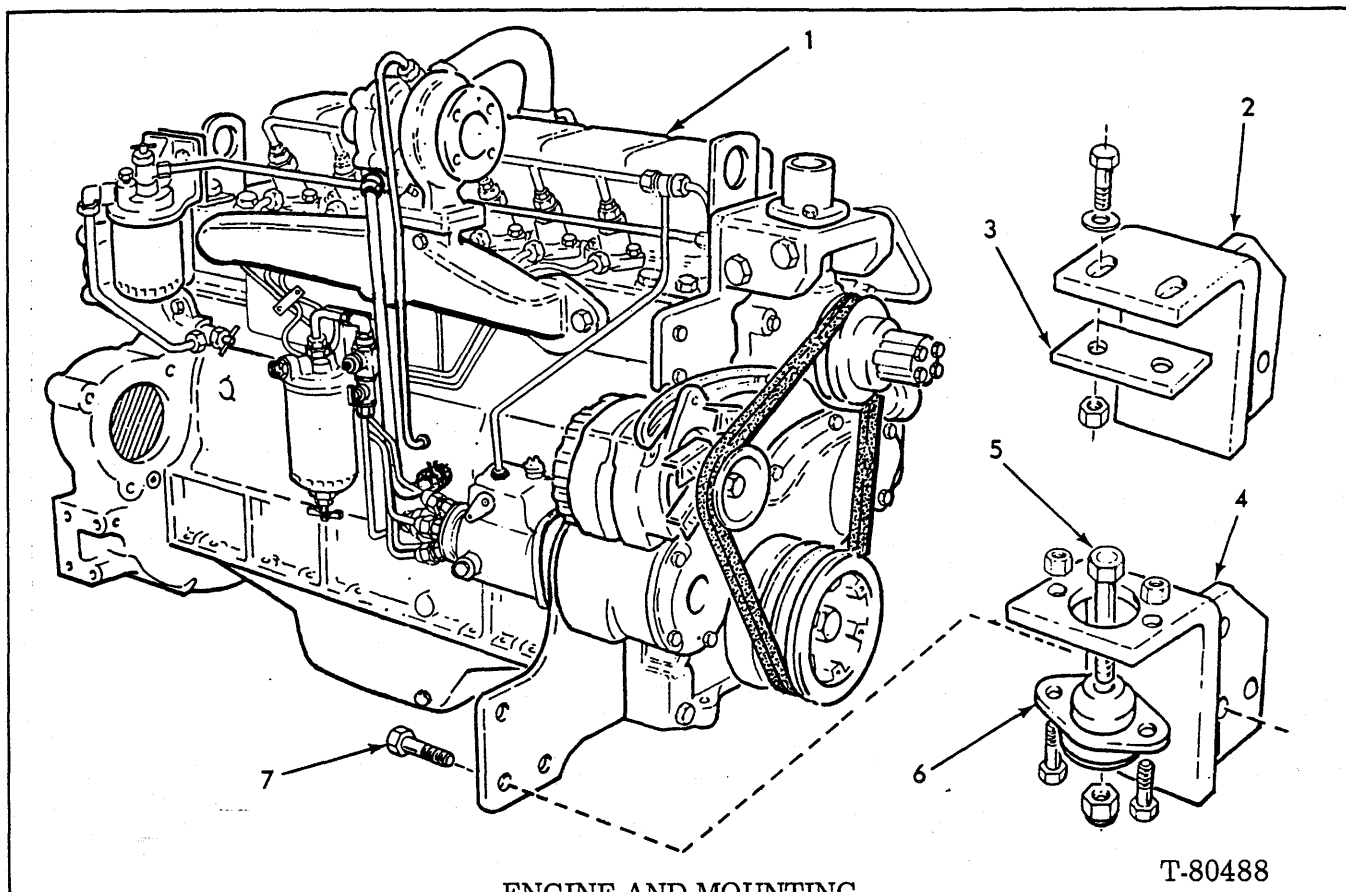
1000 HOUR KIT

PART NUMBER: 75124731

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
2	70663977	GASKET HYDRAULIC FILTER
1	70926821	O'RING HYDRAULIC FILTER
1	70666421	HYDRAULIC FILTER
2	74035556	LUBE OIL FILTER
1	74029089	COOLANT FILTER
1	73067517	GASKET TRANSMISSION SUCTION STRAINER
1	70679513	TRANSMISSION FILTER
1	70662608	AIR FILTER - SAFETY
1	70684732	AIR FILTER - PRIMARY
1	74321716	FUEL FILTER

NOTE: Clean and reuse:  
Transmission suction strainer - 73044396.

For machines equipped with a bypass lube oil filter, sell the customers one 74060879 as a separate item in addition to the Filter Care Kit.

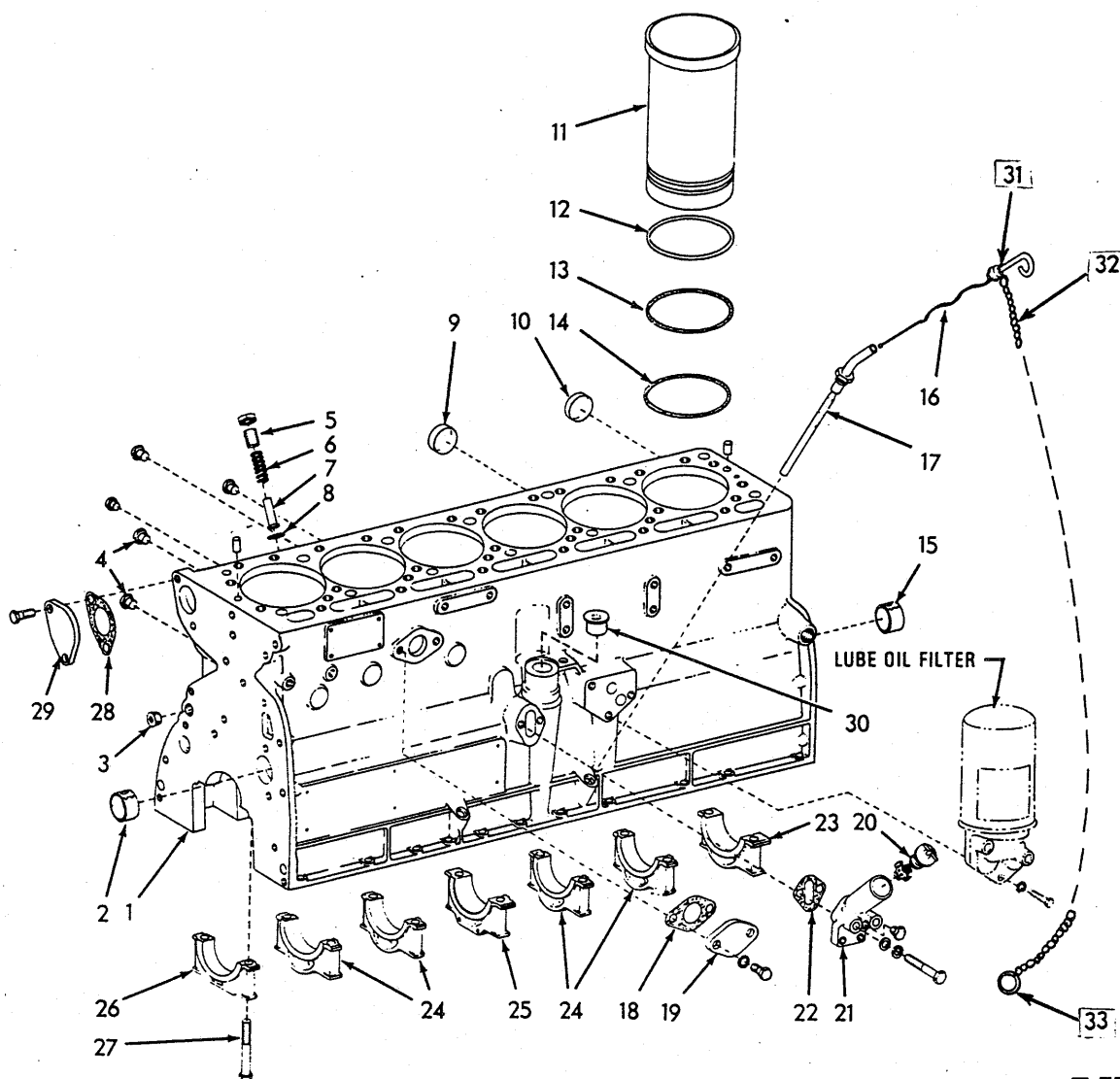


USAGE: \* Loader series 21C, 33A

\*\* Loader series 21S

NOTE: When replacing ENGINE ASSY. on units thru engine s/n 2D-94616, loader s/n 21C04201 - 21C06116, 10L04201 - 10L04649, also order AIR HEATER KIT page 37a and HOUR METER KIT page 235.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	74008315	1	1	ENGINE ASSY.(Less air cleaner, fan, starter but includes oil and fuel filters)(replaces 74024086)(For installation on units prior to loader s/n 21C06870, 10L06444, 21S05321, also order item 8)
	70913105	6	6	CAPSCREW, 1/2" NF x 1-1/2"
	70914487	6	6	LOCKNUT, 1/2" NF
2	73053928	1	-	BRACKET, left
	73053929	1	-	BRACKET, right
3	73043879	2	2	SHIM(1/16" thick - use as required)
4	73063345	-	1	BRACKET, left
	73063346	-	1	BRACKET, right
5	70916264	-	2	CAPSCREW, 5/8" NC x 4"
	70915256	-	2	LOCKNUT, 5/8"NC
6	73063249	-	2	ISOLATOR
	70916272	-	4	CAPSCREW, 3/8" NC x 1-1/4"
	70900367	-	4	NUT, 3/8" NC
7	70916406	4	4	CAPSCREW, 5/8" NF x 1-3/4"
	73026289	4	4	WASHER
	70916589	4	4	NUT, 5/8" NF
8	73071617	1	1	KIT, engine repower(loaders 21C, 10L, and 21S04201 thru 21C06869, 10L06443, and 21S05320)



T-77016

# CYLINDER BLOCK

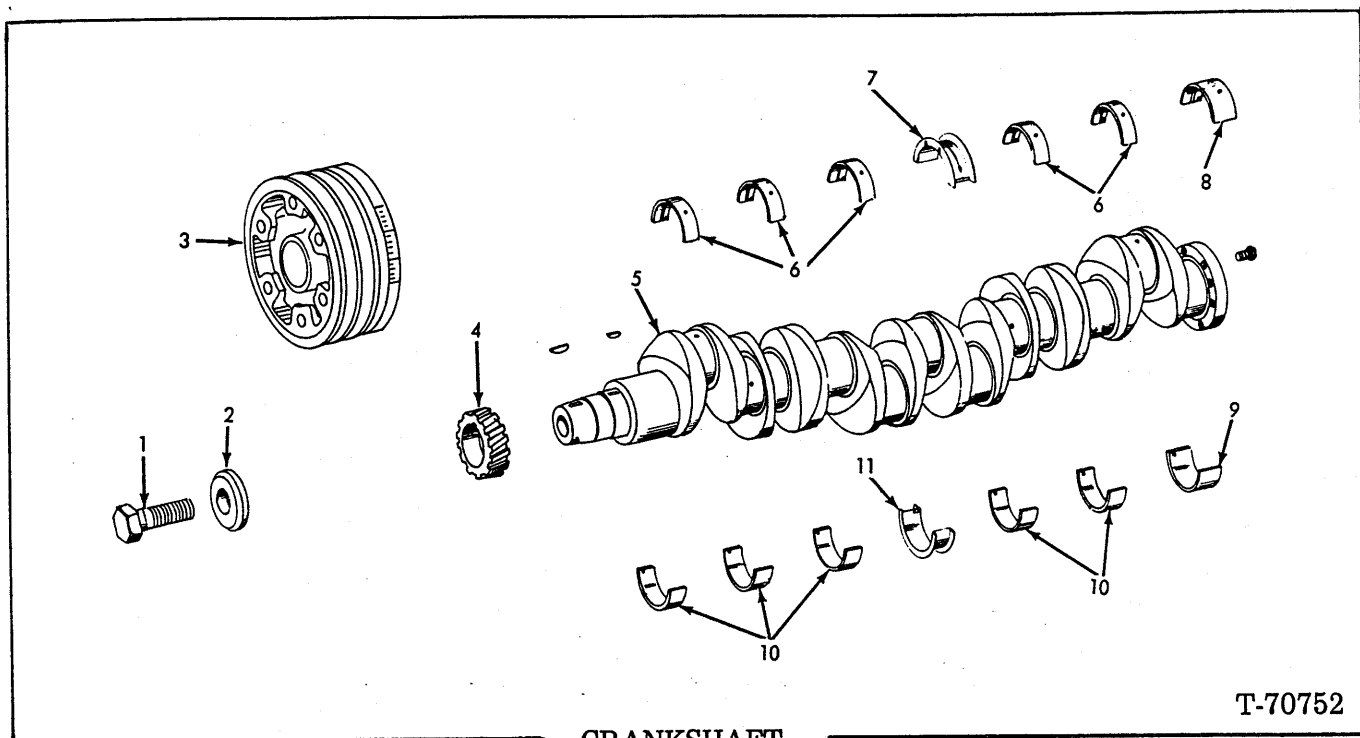
ITEM	PART NO.	QTY.	DESCRIPTION
1	74006957	1	BLOCK ASSY., (Includes items 2, 8, 10, 15, 23, thru 27 and hardware indented below)
	70918850	2	PLUG, pipe, ctsk., 1/8" NPT
	70912415	1	COCK, drain, 1/4" NPT
	70920416	3	PLUG, pipe, hex-hd., 1/2" NPT
	70919134	2	PLUG, pipe, hex-hd., 1/8" NPT
	70920416	3	PLUG, hex. hd., 1/2" NPTF
	70919134	2	PLUG, hex. hd., 1/8" NPTF
2	74025025	1	BEARING, camshaft, front (Std.)
	74025259	1	BEARING, camshaft, front (.010" undersize)
3	74025392	1	PLUG, restrictor, 1/2" pipe
4	74255492	2	PLUG
5	74022129	1	SCREW
6	74500231	1	SPRING
7	74507374	1	PISTON
8	74507673	1	INSERT

# CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	74255110	1	PLUG
10	74255107	1	PLUG
11	74061938	6	<input type="checkbox"/> SLEEVE KIT
12	74020537	-	* SHIM, cylinder sleeve (.005" thick)
	74020538	-	* SHIM, cylinder sleeve (.010" thick)
	74020539	-	* SHIM, cylinder sleeve (.015" thick)
	74020540	-	* SHIM, cylinder sleeve (.020" thick)
13	74023827	6	<input type="checkbox"/> O-RING, cylinder sleeve (top)
14	74020032	6	<input type="checkbox"/> O-RING, cylinder sleeve (lower)
15	74025238	3	BEARING, camshaft, intermediate and rear (Std.)
	74025258	3	BEARING, camshaft, intermediate and rear (.010" undersize)
16	74023934	1	GAUGE (Not for Loader series 33A)
	73077097	1	GAUGE ASSY. (For Loader series 33A only)(Includes items 31, 32, and 33)
17	74023877	1	ADAPTER
18	74025021	1	<input type="checkbox"/> GASKET
19	74026382	1	PLATE
	70916269	2	CAPSCREW, 3/8" NC x 3/8"
	70910287	2	LOCKWASHER, 3/8"
20	74035474	1	CLOSURE
21	74023455	1	ELBOW
	70916281	2	CAPSCREW, 5/16" NC x 2-3/4"
	70904205	2	LOCKWASHER, 5/16"
	70912369	2	WASHER, plain
	70919840	1	PLUG, hex-hd., 1/4" NPT
22	74025019	1	GASKET
23	74020382	1	† CAP, rear main bearing ( Used prior to engine s/n 2D-73595)
	74023889	1	† CAP, rear main bearing (Effective with engine s/n 2D-73595)
24	74020380	4	† CAP, intermediate main bearing (Used prior to engine s/n 2D-73595)
	74023887	4	† CAP, intermediate main bearing (Effective with engine s/n 2D-73595)
25	74023537	1	† CAP, center main bearing (Used prior to engine s/n 2D-73595)
	74007781	1	† CAP, center main bearing (Effective with engine s/n 2D-73595)
26	74023538	1	† CAP, front main bearing (Used prior to engine s/n 2D-73595)
	74023508	1	† CAP, front main bearing (Effective with engine s/n 2D-73595)
27	74020135	14	CAPSCREW
28	74023816	1	GASKET
29	74023532	1	PLATE
	74255723	2	CAPSCREW
30	74254452	1	PLUG (Effective with engine s/n 2D-94617)
31	73072771	1	"S" HOOK
32	73077095	1	CABLE, jack
33	73072776	1	RING, key

} For Loaders series 33A only

- \*Use as required when remachining block
- †Replacement bearing caps are semi-finished and must be line bored after installing.
- ☐ Also see PACKAGED PARTS



# CRANKSHAFT

T-70752

USAGE: \*non-piston cooled prior to engine s/n 2D-99137  
 \*\*piston cooled effective with engine s/n 2D-99137

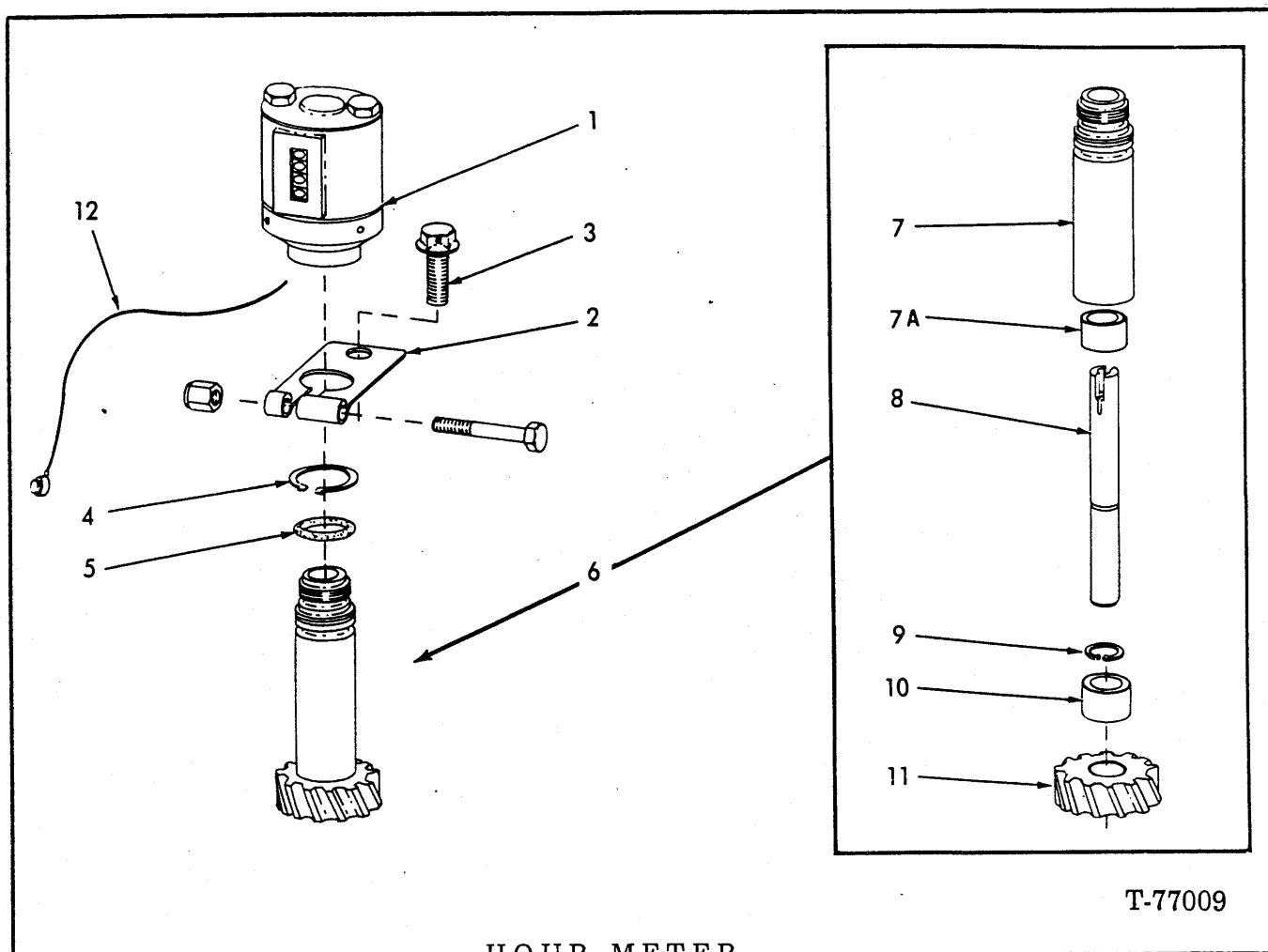
ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	74020148	1	1	CAPSCREW	
2	74020149	1	1	WASHER	
3	74023965	1	1	PULLEY	
	70905845	1	1	KEY, 1/4" x 7/8"	
4	74023979	1	1	GEAR	
	70905845	1	1	KEY, 1/4" x 7/8"	
5	74008147	1	1	CRANKSHAFT (prior to 2D-99137 order std. bearing KIT for piston cooling pages 15 and 17)	
6	74008156	5	-	BEARING (Std.)	front and intermediate, upper
	74007694	-	5	BEARING (Std.)	
	74008157	5	-	BEARING (.010")	
	74007746	-	5	BEARING (.010")	
	74008158	5	-	BEARING (.020")	
	74007748	-	5	BEARING (.020")	
	74008159	5	-	BEARING (.030")	
	74008166	-	5	BEARING (.030")	
	74022098	5	-	BEARING (.040")	
	74008160	1	-	BEARING (Std.)	
7	74007698	-	1	BEARING (Std.)	center, upper
	74008161	1	-	BEARING (.010")	
	74007750	-	1	BEARING (.010")	
	74008162	1	-	BEARING (.020")	
	74007751	-	1	BEARING (.020")	
	74008163	1	-	BEARING (.030")	
	74008164	-	1	BEARING (.030")	
	74022118	1	-	BEARING (.040")	

(Continued)



# CRANKSHAFT(Continued)

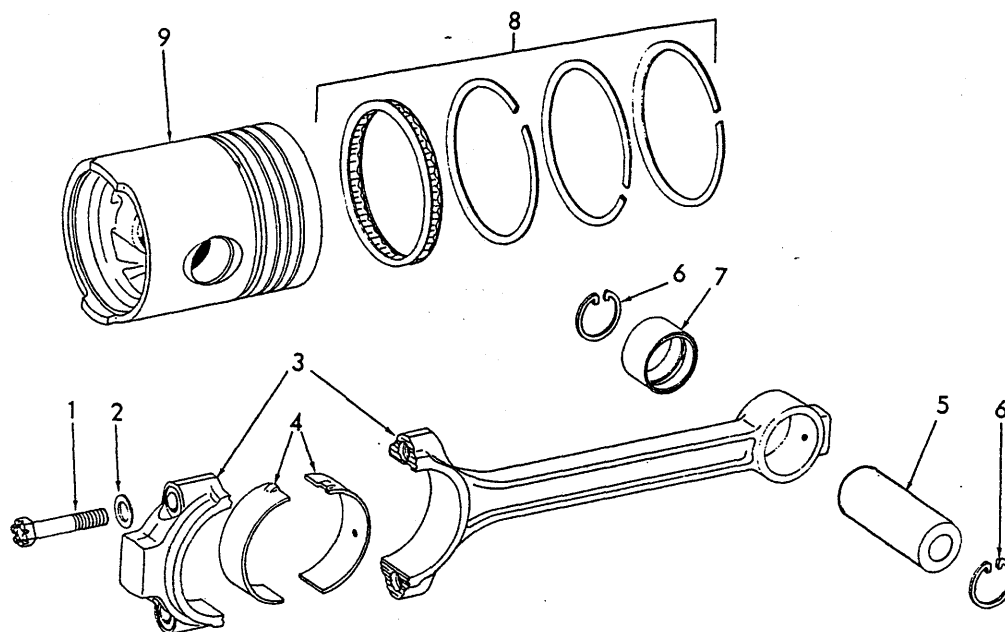
ITEM	PART NO.	QTY.	DESCRIPTION	
8	74007696	1 1	BEARING (Std.)	} rear, upper
	74007743	1 1	BEARING (.010")	
	74007744	1 1	BEARING (.020")	
	74008169	1 1	BEARING (.030")	
	74022108	1 -	BEARING (.040")	
9	74007697	1 1	BEARING (Std.)	} rear, lower
	74007753	1 1	BEARING (.010")	
	74007754	1 1	BEARING (.020")	
	74008170	1 1	BEARING (.030")	
	74022113	1 -	BEARING (.040")	
10	74007695	5 5	BEARING (Std.)	} front and intermediate, lower
	74007759	5 5	BEARING (.010")	
	74007760	5 5	BEARING (.020")	
	74008167	5 5	BEARING (.030")	
	74022103	5 -	BEARING (.040")	
11	74007699	1 1	BEARING (Std.)	} center, lower
	74007756	1 1	BEARING (.010")	
	74007757	1 1	BEARING (.020")	
	74008165	1 1	BEARING (.030")	
	74022123	1 -	BEARING (.040")	
12	74062170	1 -	KIT (Std.)	} Each consists of bearings for complete crankshaft overhaul
	74061932	- 1	KIT (Std.)	
	74062171	1 -	KIT (.010")	
	74061933	- 1	KIT (.010")	
	74062172	1 -	KIT (.020")	
	74061934	- 1	KIT (.020")	
	74062173	1 -	KIT (.030")	
	74062165	- 1	KIT (.030")	
	74061432	1 -	KIT (.040")	



### HOUR METER (Mechanical)

USAGE: Units prior to engine S/N 2D-94617. See 234 or electric hour meter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74024197	1	METER
2	74024202	1	CLAMP
	70910898	1	CAPSCREW, 1/4" NC x 1-3/4"
	70920329	1	NUT, 1/4"
3	74027690	1	CAPSCREW
4	74255991	1	RING
5	70929217	1	O-RING
6	-----	1	DRIVE ASSY. (Order item 7 thru 11)
7	74024469	1	HOUSING ASSY. (Includes item 7a)
7a	74027561	1	BEARING
8	74024360	1	SHAFT
9	74255932	1	RING
10	74024200	1	BEARING
11	74028808	1	GEAR
12	74355843	1	SEAL (anti-tampering)



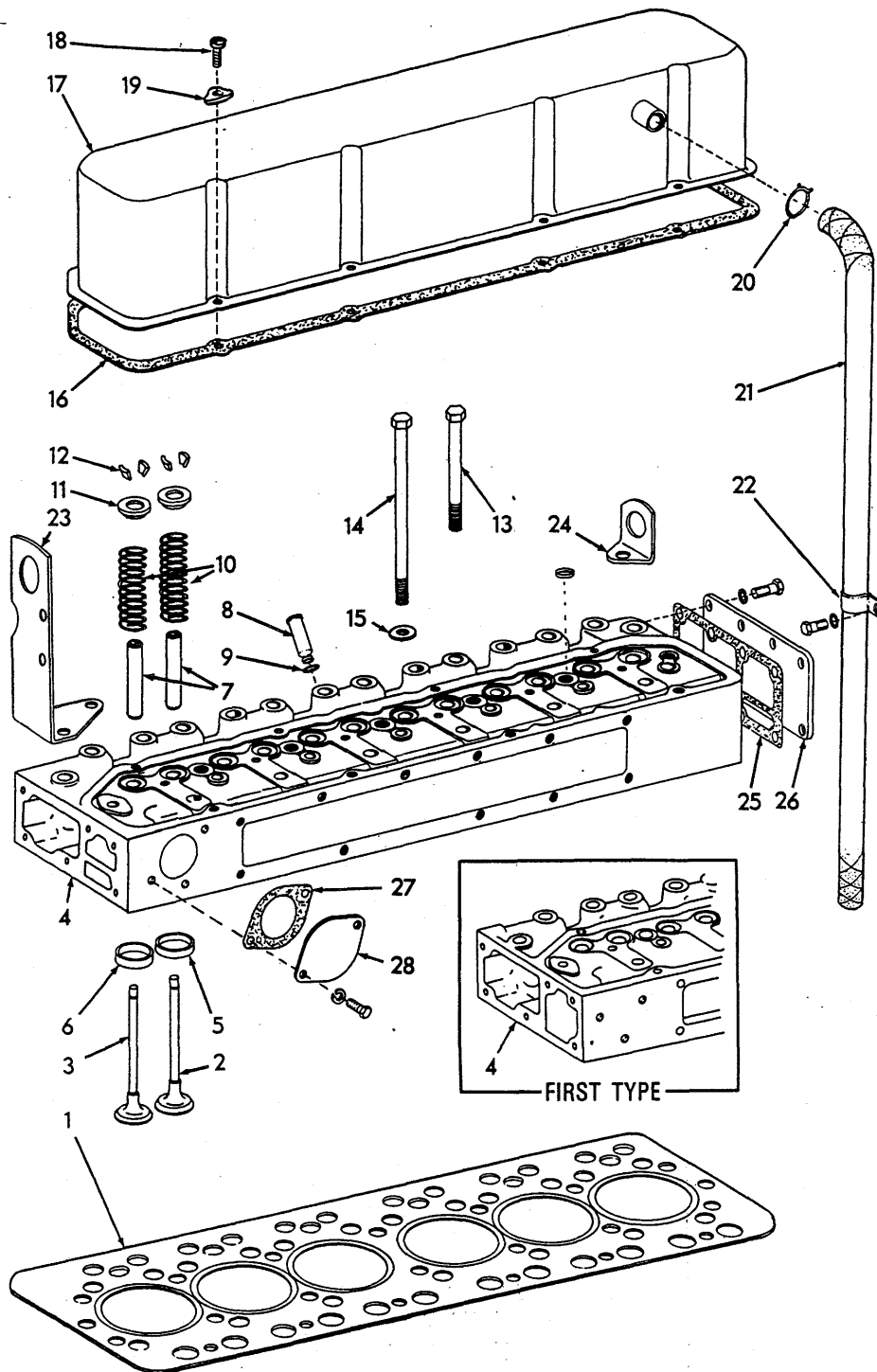
T-70609

PISTON AND CONNECTING ROD

ITEM	PART NO.	QTY.	DESCRIPTION
1	74020142	12	CAPSCREW (Prior to S/N 2D-77328)
	74024583	12	CAPSCREW, 12 pt. (Effective with S/N 2D-77328)
2	74020145	12	WASHER (Prior to S/N 2D-77328)
3	74007975	6	ROD ASSY. (Includes item 1 and 7)
4	74007700	12	BEARING (Std.)
	74007740	12	BEARING (.010")
	74007741	12	BEARING (.020")
	74008168	12	BEARING (.030")
5	74023970	6	PIN
6	70927693	12	RING
7	74020049	6	BUSHING
8	74062157	6	RING SET (Serviced only as a set)
9	74062359	6	□ PISTON KIT (Includes items 5, 6, 8 and instruction sheet)(Qty. indicated is for one engine assy.)
10	74061928	1	KIT (Includes 12 std., item 4)
	74061929	1	KIT (Includes 12 .010", item 4)
	74061930	1	KIT (Includes 12 .020", item 4)
	74062181	1	KIT (Includes 12 .030", item 4)

See item 10

(Revised June 1984)



T-70753

# CYLINDER HEAD

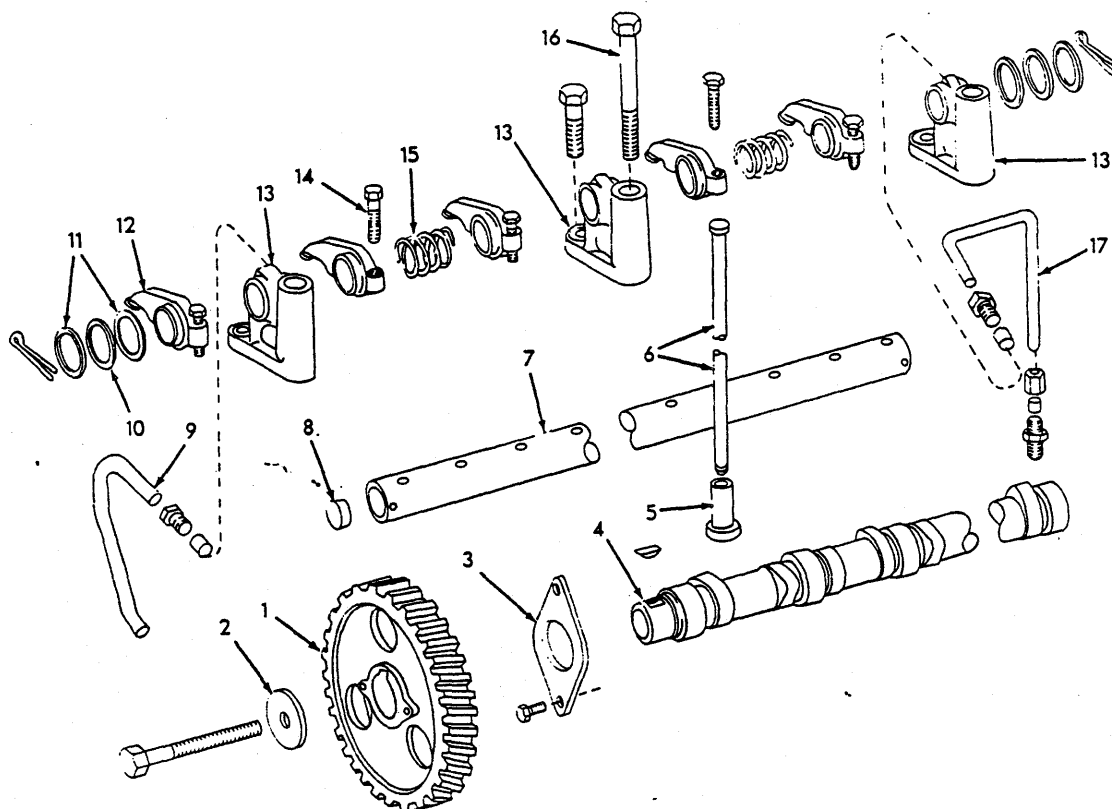
ITEM	PART NO.	QTY.	DESCRIPTION
1	74007790	1	□ GASKET
2	74023379	6	VALVE, exhaust
3	74023378	6	VALVE, intake

(Continued)

## CYLINDER HEAD (Continued)

( ITEM	PART NO.	QTY.	DESCRIPTION
4	74008149	1	HEAD ASSY. (Includes items 5 thru 9, 27, 28 and Plug indented below)
	70928879	5	PLUG
5	{ 74023380	6	INSERT, exhaust valve seat, std.
	{ 74023384	6	INSERT, exhaust valve seat (.005" oversize. Use as required)
6	{ 74023382	6	INSERT, intake valve seat, std.
	{ 74020147	6	INSERT, intake valve seat (.005" oversize. Use as required)
7	74022595	12	GUIDE, intake and exhaust valve
8	74023474	6	SLEEVE, injection nozzle
9	70928953	12	O-RING, injection nozzle sleeve
10	{ 74020156	12	SPRING, intake and exhaust valve (Used prior to engine s/n 2D-81148)
	{ 74035186	12	SPRING, intake and exhaust valve (Effective with engine s/n 2D-81148)
11	{ 74343799	12	RETAINER, valve spring (Used prior to engine s/n 2D-81148)
	{ 74020408	12	RETAINER, valve spring (Effective with engine s/n 2D-81148)
12	74376497	24	LOCK, half
13	74035388	21	CAPSCREW, cylinder head (short)
14	74035389	6	CAPSCREW, cylinder head (Also attaches rocker arm brackets)
15	74025165	27	WASHER, cylinder head capscrew (Used prior to engine s/n 2D-54596)
16	74008074	1	□ GASKET
17	74023921	1	COVER
18	74153776	8	SCREW
19	74025491	8	WASHER
20	74255930	1	CLAMP
21	74024090	1	HOSE
22	70926179	1	CLAMP
	70916268	1	CAPSCREW, 3/8" NC x 5/8"
	70904206	1	LOCKWASHER, 3/8"
23	74023975	1	EYE, lifting (front)
24	74023675	1	EYE, lifting (rear)
25	74023471	1	□ GASKET
26	74023470	1	COVER, end
	70915408	8	CAPSCREW, 3/8" NC x 3/4"
	74020145	8	WASHER
27	74006936	1	COVER
	70915408	2	CAPSCREW, 3/8" NC x 3/4" } Effective with engine serial no. 2D-88774
	74020145	2	WASHER
28	74025101	1	□ GASKET

(Revised January 1981)



VALVE OPERATING MECHANISM

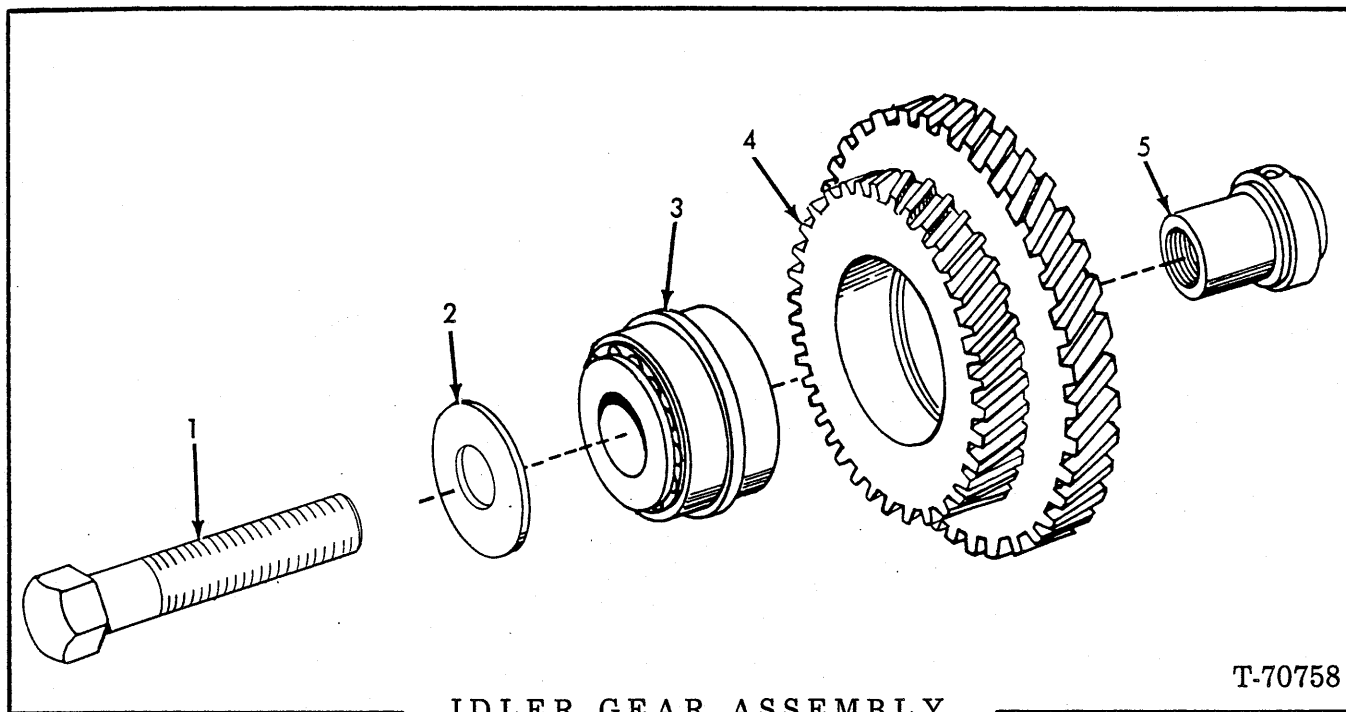
T-70754

ITEM	PART NO.	QTY.	DESCRIPTION
1	74022292	1	GEAR KIT
	74022430	1	KEY, woodruff, 1/4" x 1"
2	74022339	1	WASHER
	70925821	1	CAPSCREW, 7/16"NC x 4"
3	74021454	1	PLATE
	74254864	2	BOLT
4	74022519	1	CAMSHAFT
5	74026699	12	LIFTER
6	74020185	12	ROD
7	74021452	1	SHAFT
	70900808	2	PIN, cotter, 1/8" x 1-1/2"
8	70212004	2	STOPPER
9	74020359	1	TUBE
	70913536	1	NUT, compression, flare type, 1/4" tube
	70911435	1	SLEEVE, compression, 1/4" tube

(Continued)

# VALVE OPERATING MECHANISM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	74025193	2	WASHER, spring (end)
11	74025194	4	WASHER, spacer (end)
12	74025188	12	ARM ASSY., rocker (Includes item 14)
13	74020143	6	BRACKET, rocker arm (end)
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	6	LOCKWASHER, 3/8"
14	74513206	12	SCREW, adjusting, rocker arm
15	74025191	5	SPRING, rocker arm spacing
16	-----	6	CAPSCREW (See page 18)
17	74020683	1	TUBE, oil feed
	70911435	1	SLEEVE, compression, 1/4" tube
	70913536	1	NUT, inverted flare, 1/4" tube (at bracket)
	70914626	1	CONNECTOR, compression, 1/4" tube, 1/8"NPT
	70911437	1	NUT, compression, 1/4" tube

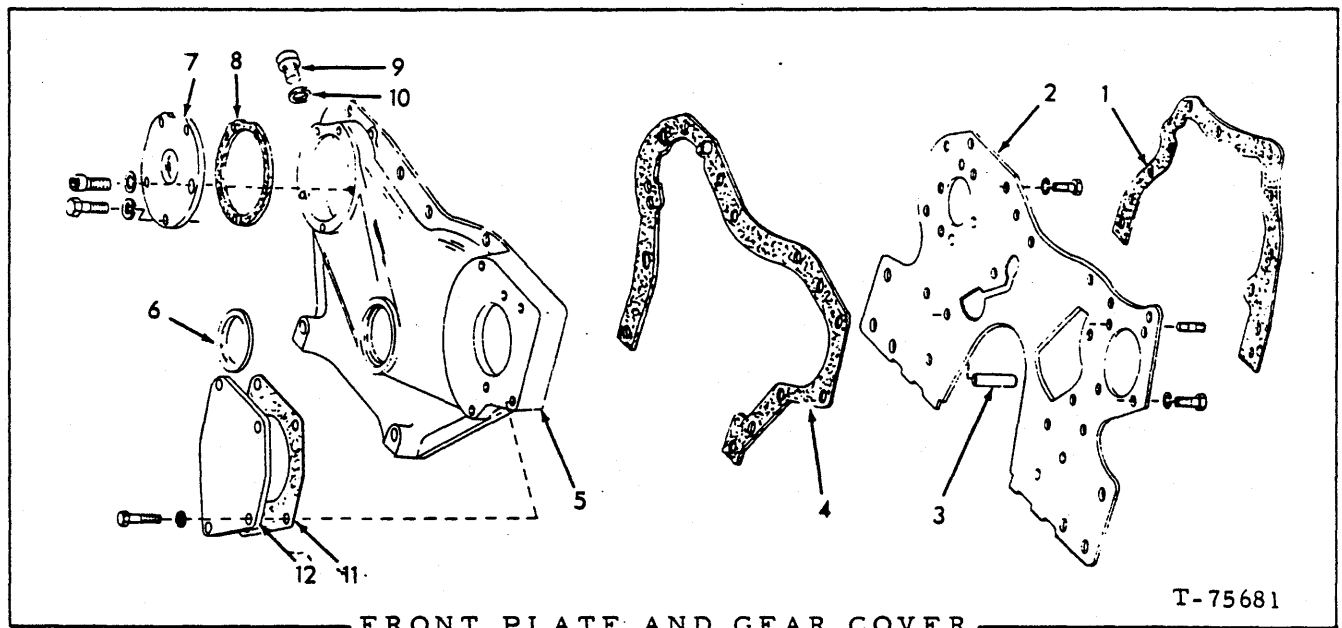


IDLER GEAR ASSEMBLY

T-70758

ITEM	PART NO.	QTY.	DESCRIPTION
1	70921539	1	CAPSCREW, 1/2" NC x 3-1/2"
2	74025461	1	WASHER
3	74025082	1	BEARING ASSY.
4	74022231	1	GEAR ASSY., idler (Includes item 3)
5	74007230	1	SHAFT



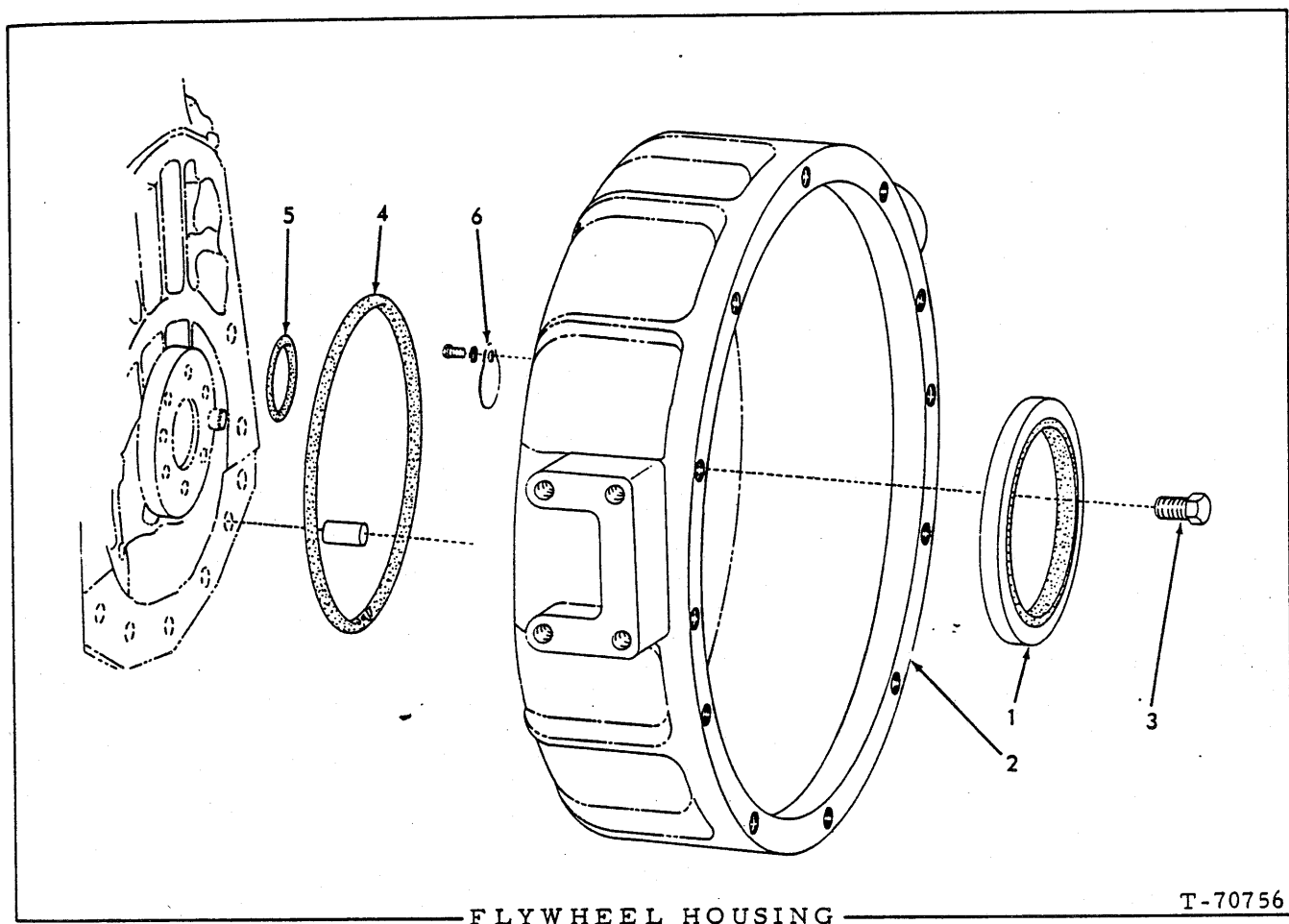


FRONT PLATE AND GEAR COVER

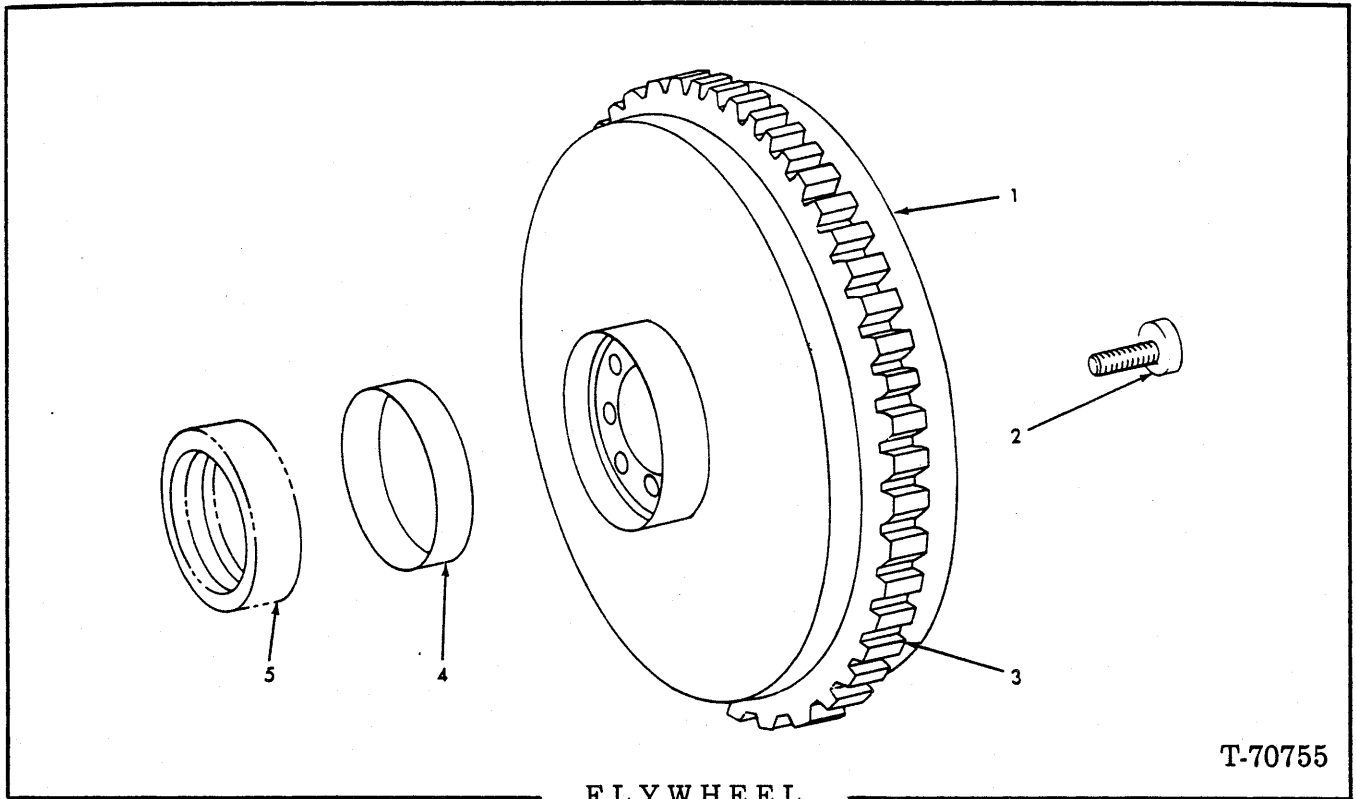
T-75681

ITEM	PART NO.	QTY.	DESCRIPTION
1	74020098	1	□GASKET
2	74024213	1	PLATE, front (Includes 2 Stud indented below)
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70916271	1	CAPSCREW, 3/8"NC x 1"
	70904206	5	LOCKWASHER, 3/8"
	74026460	2	STUD, 3/8"NF
3	70917535	2	PIN, dowel, front plate (1/2" x 1-1/4")
4	74023567	1	□GASKET
5	74023858	1	COVER, timing gear housing
	70919224	7	CAPSCREW, 3/8"NC x 1-1/8"
	70914847	3	CAPSCREW, 3/8"NC x 1-1/2"
	70919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	70913544	5	WASHER, plain, 13/32" I. D.
	70904206	12	LOCKWASHER, 3/8"
6	74024561	1	SEAL
7	74023857	1	PLATE, inspection
	70915813	2	CAPSCREW, 5/16"NC x 7/8"
	70927111	1	CAPSCREW, skt-hd., 5/16"NC x 7/8"
	70904205	3	LOCKWASHER, 5/16"
8	74023859	1	□GASKET
9	70226408	1	PLUG, timing hole
10	70226012	1	GASKET, timing plug
11	74024599	1	□GASKET
12	74024595	1	COVER
	70914847	4	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	4	LOCKWASHER, 3/8"

□ (Also see page 8)



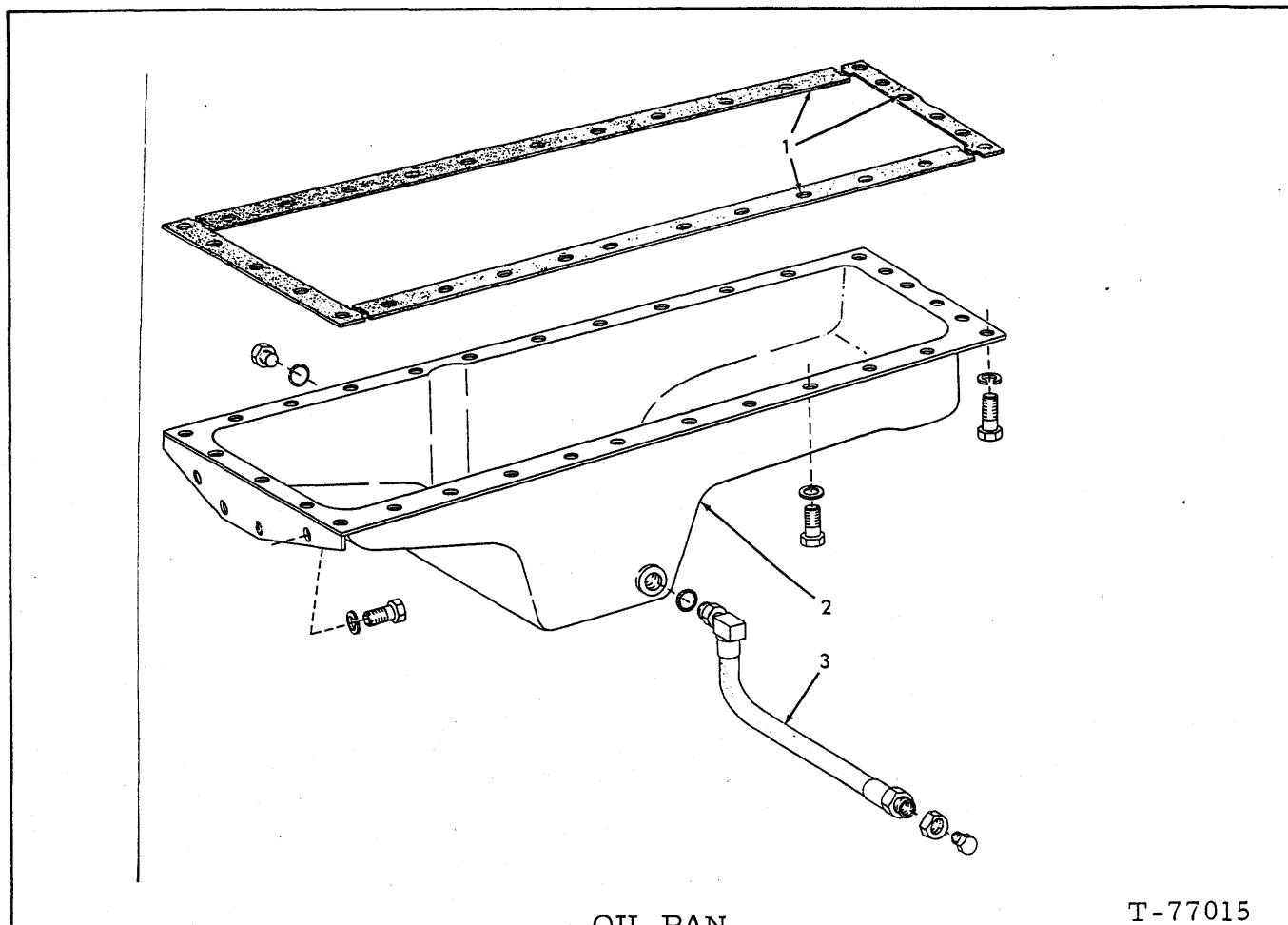
ITEM	PART NO.	QTY.	DESCRIPTION
1	74024562	1	SEAL
2	74023892	1	HOUSING, flywheel
3	74752075	7	CAPSCREW, self-locking
	70917021	2	PIN, dowel, 1/2" x 1"
	70918888	1	PLUG, pipe, ctsk., 1"NPT
	70920333	1	PLUG, pipe, 3/8"
4	74020016	1	O-RING, sealing, flywheel housing to block
5	74020879	1	O-RING
6	74255155	1	COVER, timing hole
	70916284	1	CAPSCREW 1/4"NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"



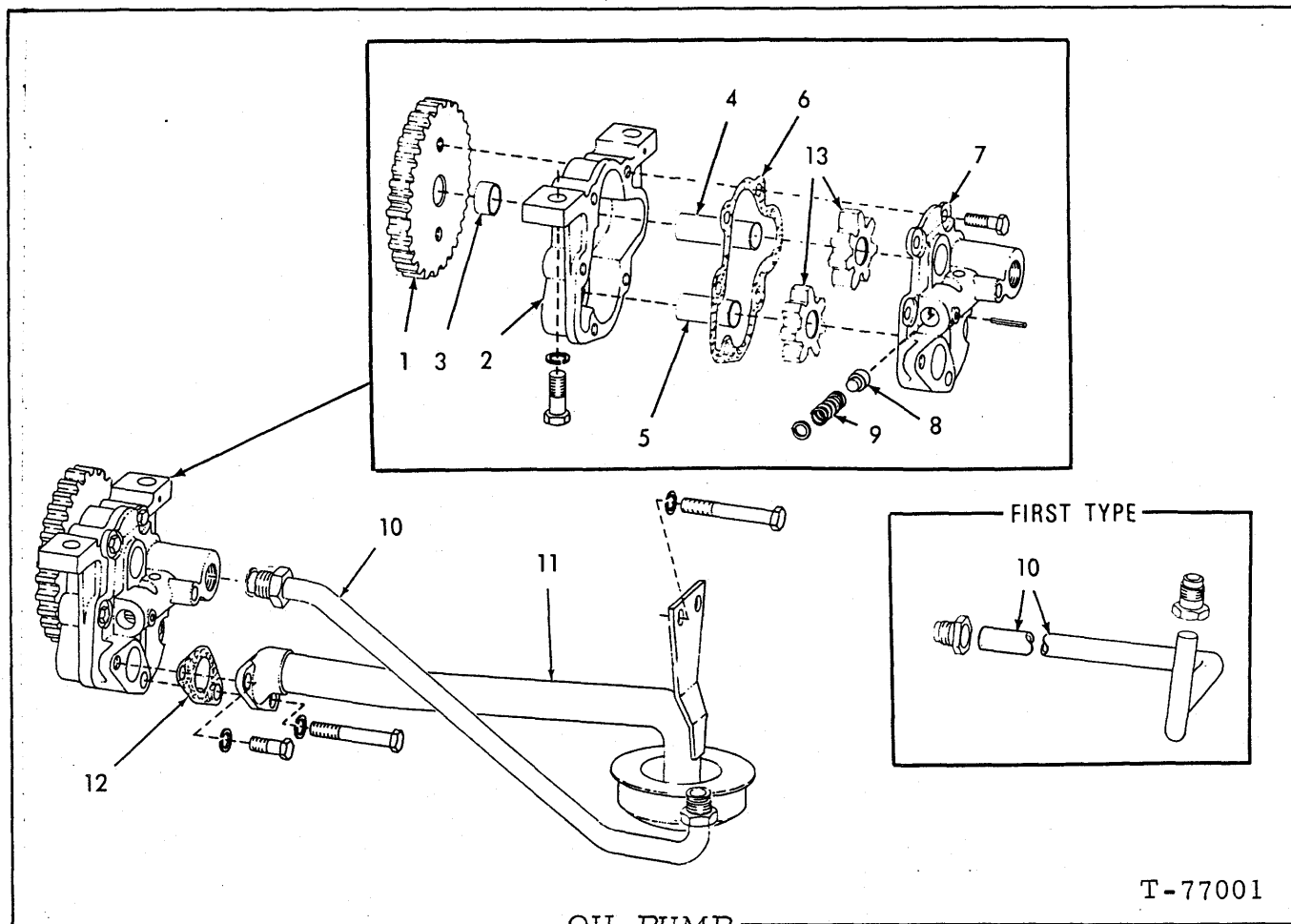
FLYWHEEL

ITEM	PART NO.	QTY.	DESCRIPTION
1	74024073	1	FLYWHEEL ASSY. (Includes item 3)
2	74035534	6	CAPSCREW, 12 pt.
3	74514230	1	GEAR
4	74008103	1	□ SLEEVE KIT (Includes instruction sheet)
5	-----	1	SEAL, oil (See page 24)

(Revised April 1981)



ITEM	PART NO.	QTY.	DESCRIPTION
1	74021022	1	□ GASKET, oil pan
2	74023465	1	PAN
	70915809	4	CAPSCREW, 5/16"NC x 3/4"
	70915813	24	CAPSCREW, 5/16"NC x 7/8"
	70914670	6	CAPSCREW, 5/16"NC x 1-1/8"
	70904205	28	LOCKWASHER, 5/16"
	70921206	1	PLUG, hex-hd., 1-1/16" str. thd. (Includes O-ring)(Not for Loaders series 33A unit No. 07947 and up)
	73077155	1	PLUG, magnetic (Loaders series 33A only effective unit No. 07947 and up)
	70921206	1	O-RING, plug
3	74026558	1	HOSE ASSY., drain (Includes O-ring)
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	70921206	1	O-RING, hose
	70924673	1	NUT, lock, 1-1/8" str. thd.



ITEM	PART NO.	QTY.	DESCRIPTION
-	74023535	1	PUMP ASSY. (Bushing type )(Includes items 1 thru 9) (Engines prior to S/N 2D-96079)(Order 74008219)
	74007174	1	PUMP ASSY. (Non-bushing type)(Includes items 1, 2 and 4 thru 9)(Engine S/N 2D96079 thru 99136) (Order 74008219)
	74007176	1	PUMP ASSY. (Non-bushing type)(Includes items 1, 2 and 4 thru 9)(Engines S/N 2D99137 thru 49-10019) (Order 74008219)
	74008219	1	PUMP ASSY. (Non-bushing type)(Includes 1, 2, and 4 thru 9)(Engine S/N 49-10020 and up)
1	74023622	1	GEAR
2	74023976	1	HOUSING (Includes item 3)(Engines prior to S/N 2D-96079)
	74007175	1	HOUSING (Engines S/N 2D-96079 thru 99136)
	74007177	1	HOUSING (Engines S/N 2D-99137 and up)
3	74393346	1	BUSHING (Engines prior to S/N 2D-96079)
4	74023754	1	SHAFT, drive
5	74026615	1	SHAFT, driven
6	74024001	1	GASKET
7	74023972	1	COVER
	70914392	4	CAPSCREW, 5/16"NC x 1"
8	74354571	1	PISTON

(Continued)

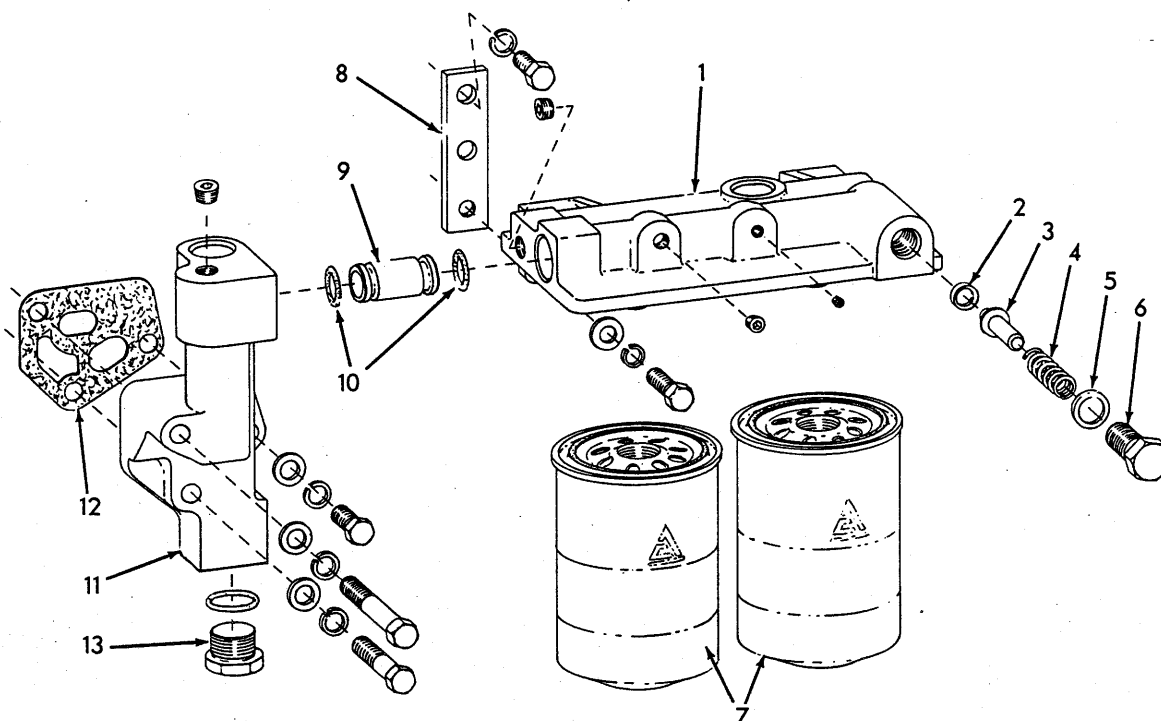
## OIL PUMP(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION.
9	74028888	1	SPRING
	70913168	1	WASHER, 9/32"
	70915989	1	PIN, spring, 3/16" x 1-1/8"
10	-----	1	TUBE
	70921331	2	NUT, 3/4" tube, 1" str. thd. } First type. Order
	74009234	1	TUBE ASSY. (Includes fittings)(Second type) } second type.
11	74023461	1	TUBE AND SCREEN ASSY.
	70914392	3	CAPSCREW, 5/16"NC x 1"
	70916281	1	CAPSCREW, 5/16"NC x 2-3/4"
	70904205	4	LOCKWASHER, 5/16"
12	74023459	1	GASKET
13	74024002	2	GEAR (Engines prior to S/N 2D99137)
	74006969	2	GEAR (Engine S/N 2D-99137 thru 49-10019)
	74008057	2	GEAR (Engine S/N 49-10020 and up)

} Replace in pairs

(Revised June 1984)



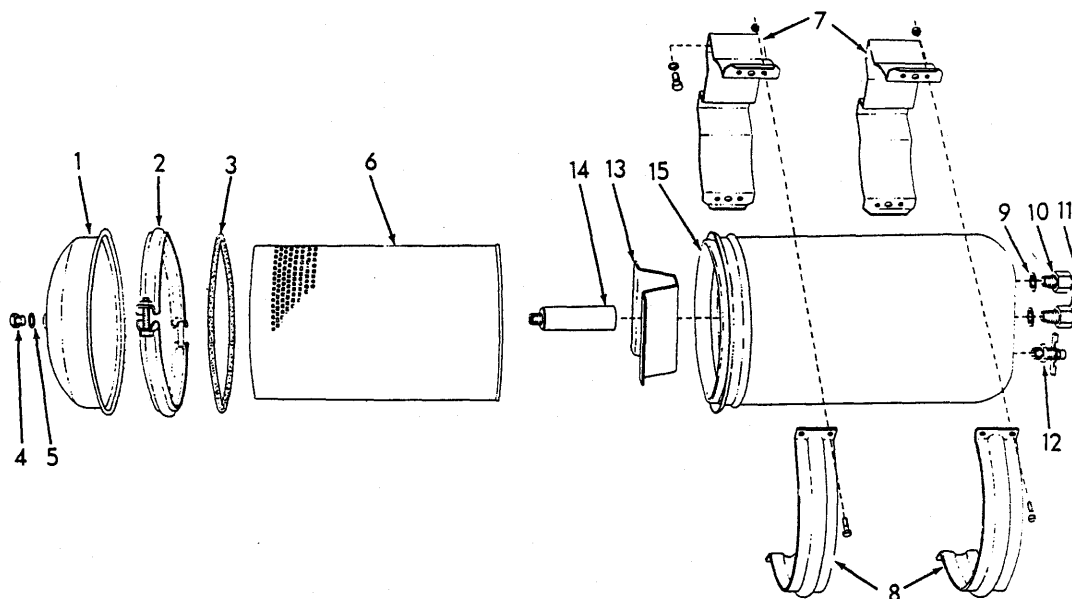


LUBE OIL FILTER

T-77007

ITEM	PART NO.	QTY.	DESCRIPTION
1	74023542	1	HEADER ASSY. (Includes items 2 thru 6 and PLUG indented below)
	70919228	2	CAPSCREW, 7/16" NC x 1-1/8"
	70914678	2	LOCKWASHER, 7/16"
	70911997	2	WASHER, plain, 7/16"
	74255492	1	PLUG, pipe, 1/2" NPT
2	74507673	1	INSERT, by-pass valve
3	74507374	1	VALVE, by-pass
4	74500231	1	SPRING, by-pass valve
5	70916777	1	GASKET, copper
6	74023787	1	CAPSCREW, hole plugging
7	74035556	2	FILTER, lube oil
8	74023545	1	BRACKET, header mounting
	70916254	2	CAPSCREW, 7/16" NC x 1"
	70914678	2	LOCKWASHER, 7/16"
9	74024471	1	TUBE
10	70931309	2	<input type="checkbox"/> O-RING, tube
11	-----	1	MANIFOLD ASSY. (First Type)
	74023967	1	MANIFOLD (Second Type)
	70916917	1	CAPSCREW, 7/16" NC x 1-1/4"
	70916257	2	CAPSCREW, 7/16" NC x 2-1/2"
	70923338	1	CAPSCREW, 7/16" NC x 3-1/2"
	70914678	3	LOCKWASHER, 7/16"
	70914498	3	WASHER, plain, 7/16"
	74255492	1	PLUG, pipe, 1/2" NPT (Use with First Type only)
12	74023813	1	<input type="checkbox"/> GASKET, manifold
13	70921204	1	PLUG, manifold (Includes O-RING indented below)
	70921206	1	O-RING



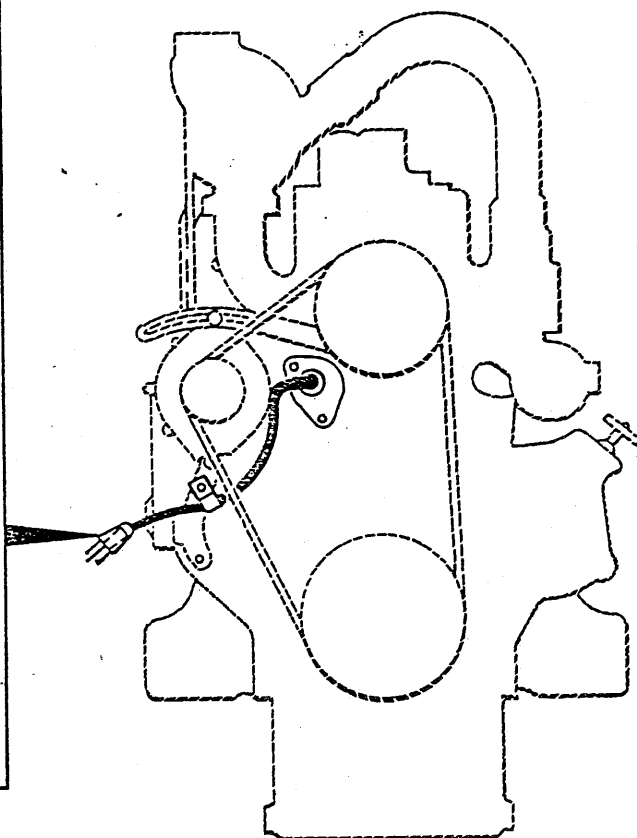
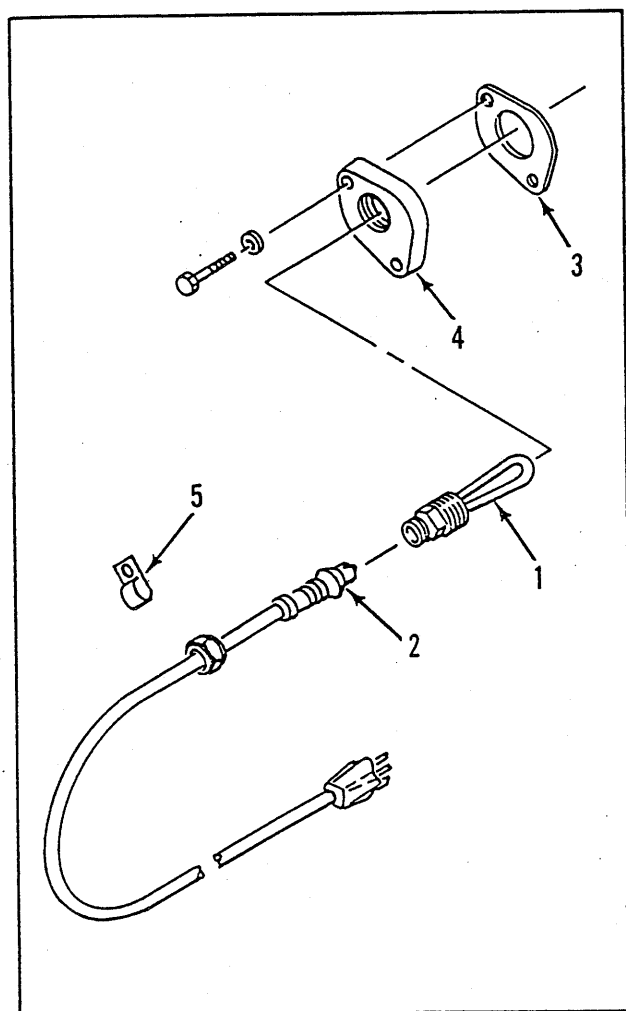


T-77224

# ENGINE OIL FILTER (HEAVY DUTY - BY PASS FILTER)

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	74023933	1	FILTER ASSY. (Includes items 1 thru 15) (See page 31)
1	74060970	1	COVER
2	74060968	1	RING ASSY. (Includes SCREW indented below)
	74060969	1	SCREW, clamp (includes nut)
3	74060971	1	GASKET
4	70084897	1	PLUG, 1/4" pipe thd.
5	70084899	1	WASHER
6	74060879	1	ELEMENT
7	74060966	2	BRACKET
8	74060967	2	BAND
	70922234	8	CAPSCREW
	70923662	8	NUT
9	74060974	2	WASHER
10	74060964	1	VALVE ASSY., inlet (Serviced only as a unit)(Includes hollow bolt, valve, spring and spring ring)
11	74060965	1	VALVE ASSY., outlet (Serviced only as a unit)(Includes hollow bolt, valve, spring and spring ring)
12	70912415	1	COCK, drain, 1/4" pipe thd.
13	74060972	1	SUPPORT
14	74060973	1	TUBE
15	-----	1	HOUSING (Not serviced - order FILTER ASSY. above)



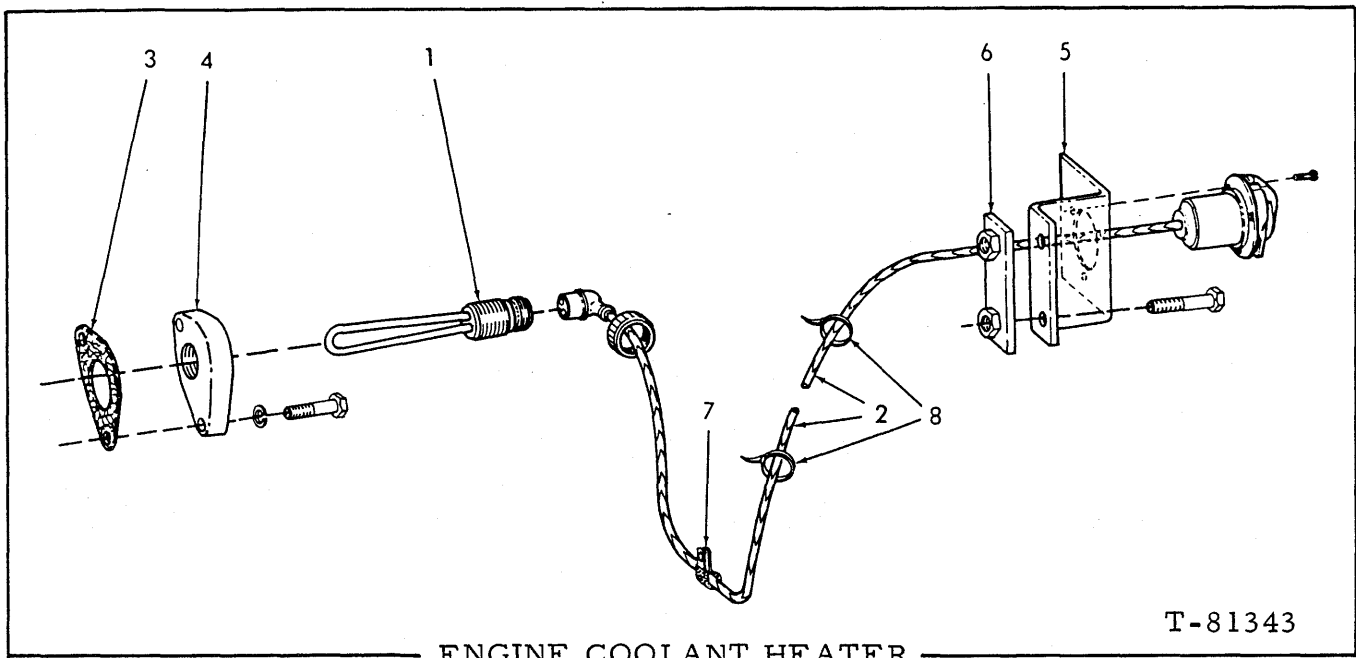
T-78771

# ENGINE COOLANT HEATER

USAGE: Special Equipment (Standard on Loader series 33A prior to unit #07947)

ITEM	PART NO.	QTY.	DESCRIPTION
1	{ 74028936	1	ELEMENT, 120 volt
	{ 74028939	1	ELEMENT, 240 volt
2	{ 74006788	1	CORD, 120 volt
	{ 74006789	1	CORD, 240 volt
3	74023816	1	GASKET
4	74006786	1	ADAPTER PLATE
	70920258	2	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	2	LOCKWASHER, 3/8"
5	70930708	1	CLAMP (Use existing fastener)

(Revised April 1981)



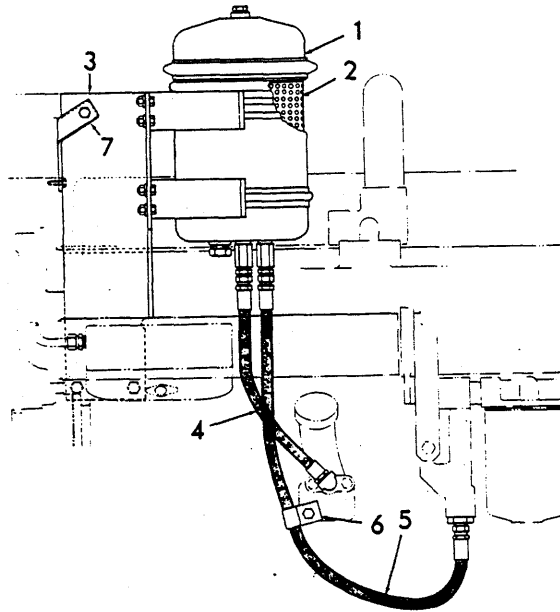
ENGINE COOLANT HEATER

T-81343

USAGE: Standard on Loaders series 33A only effective Loader unit No. 07947 and up excluding Nos. 07958, 08023, 08024, 08025, 08029, 08030, 08031.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74028936	1	ELEMENT, 120 volt
2	73077128	1	CORD, 120 volt
	70918147	3	SCREW, #10-32 x 1/2"
	70924632	3	NUT, #10-32
3	74023816	1	GASKET
4	74006786	1	ADAPTER PLATE
	70920258	2	CAPSCREW, 3/8"NC x 1-1/2"
	70910287	2	LOCKWASHER, 3/8"
5	73077127	1	PLATE
	70920995	2	CAPSCREW, 3/8"NC x 2"
6	73077125	1	BRACKET
7	70930708	1	CLAMP
8	70932747	4	TIE



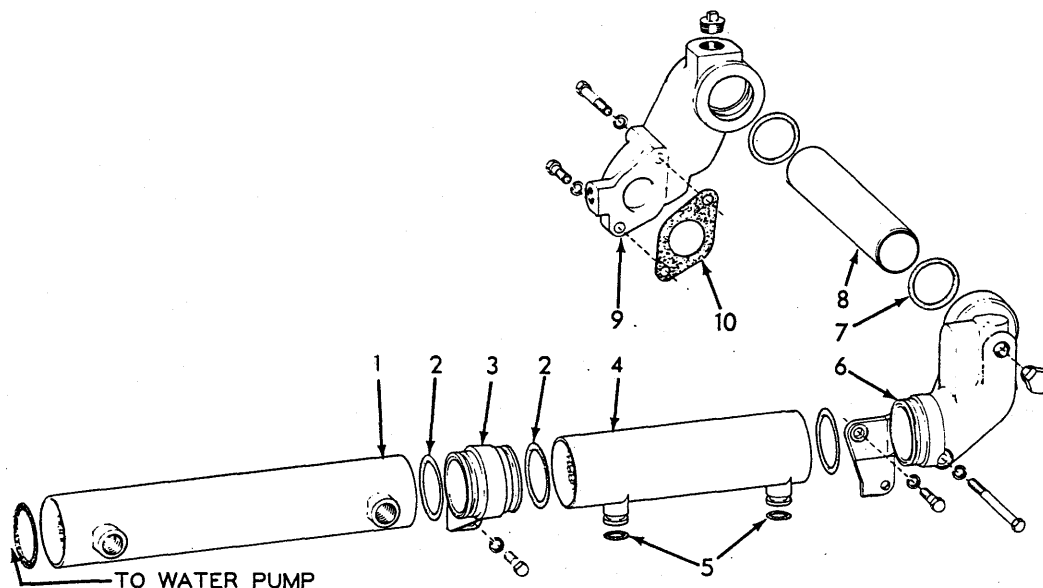


T-76685

# ENGINE OIL FILTER (Heavy Duty)

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	74023933	1	FILTER ASSY. (By-pass)(Includes item 2)(See page 29)
	70915809	8	CAPSCREW, 5/16" NC x 3/4"
	70904205	8	LOCKWASHER, 5/16"
	70910323	8	NUT, 5/16" NC
2	74060879	1	ELEMENT
	-----	1	PLATE (First Type)(Order 1 PLATE 73064759 and item 7)
3	70915408	1	CAPSCREW, 3/8" NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70916253	2	CAPSCREW, 7/16" NC x 3/4"
	70904207	2	LOCKWASHER, 7/16"
	73064759	1	PLATE
	70916254	2	CAPSCREW, 7/16" NC x 1"
	70904207	2	LOCKWASHER, 7/16"
4	73058072	1	HOSE ASSY., filter to filler adapter (See page 7)
	70919072	1	CONNECTOR, 3/8"tube, 1/8"NPT(filter end)
	70901722	1	ELBOW, 90°, street, 1/4"NPT(at engine)
5	73058071	1	HOSE ASSY., engine to filter (See page 7)
	70924296	1	FITTING, 1/2" tube, 1-1/16" str. thd. (Includes O-RING)(at engine)
	70921206	1	O-RING
	70919072	1	CONNECTOR, 3/8"tube, 1/8"NPT (filter end)
6	70927217	1	CLAMP
	70916253	1	CAPSCREW, 7/16" NC x 3/4"
	70904207	1	LOCKWASHER, 7/16"
	70912298	1	WASHER, 7/16"
7	73064758	1	BRACKET
	70923124	1	CAPSCREW, 5/16" NC x 2" (Replaces 70919785 CAPSCREW page 59)
	70921566	1	CAPSCREW, 5/16" NC x 1"
	70911025	1	NUT, 5/16" NC

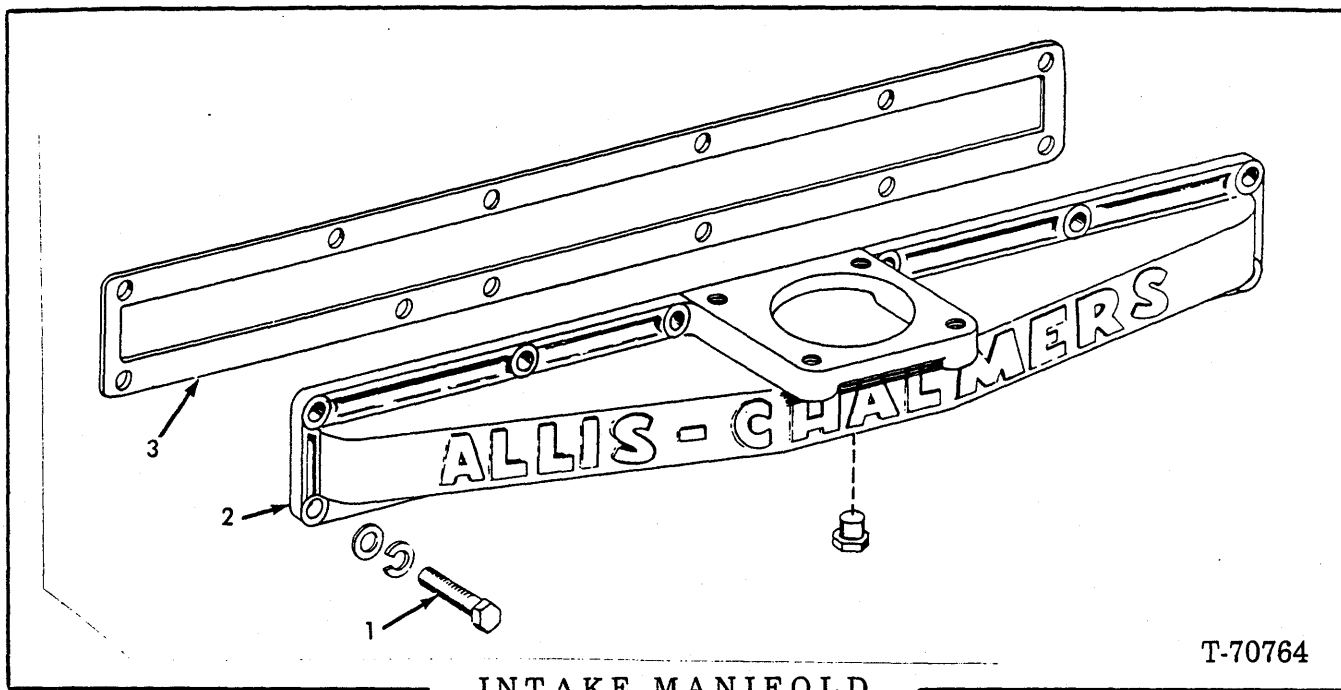


T-77004

# OIL COOLER

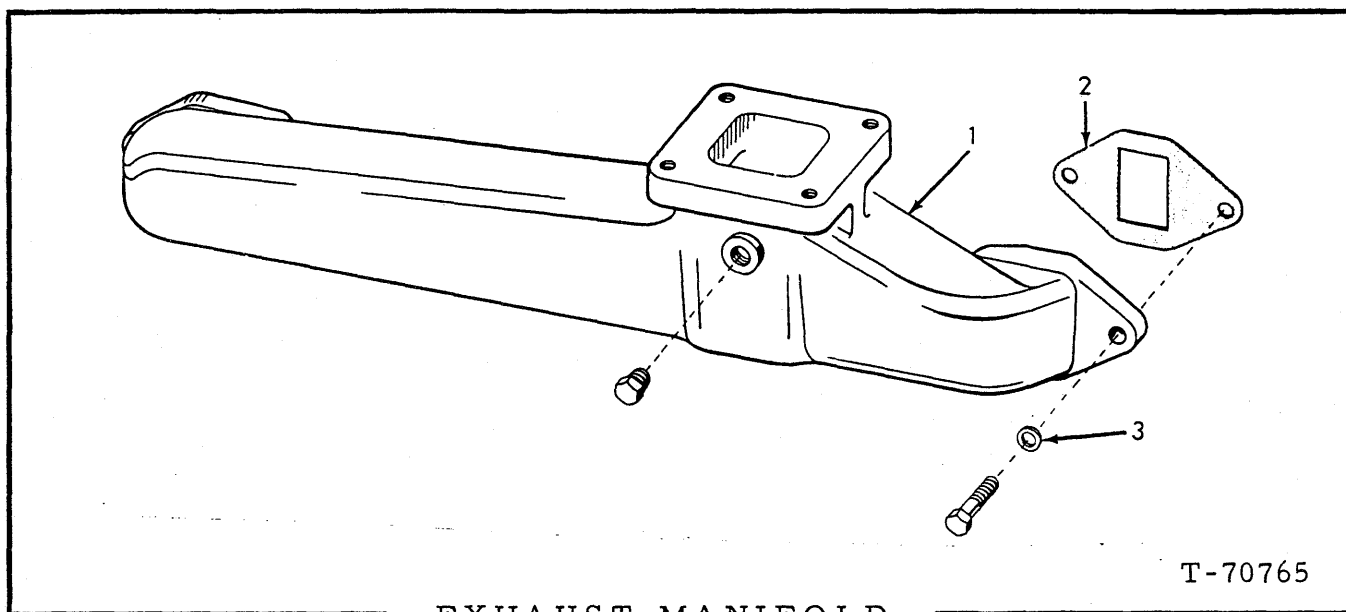
ITEM	PART NO.	QTY.	DESCRIPTION
1	74023966	1	COOLER, converter
2	70923973	4	<input type="checkbox"/> O-RING
3	74023529	1	BRACKET
	70916197	2	CAPSCREW, 7/16" NC x 1-1/4"
	70904207	2	LOCKWASHER, 7/16"
	70917425	1	PLUG, 1/4" NPT
4	74023539	1	COOLER, engine
5	70931309	2	<input type="checkbox"/> O-RING
6	74006822	1	ELBOW
	70916197	1	CAPSCREW, 7/16" NC x 1-1/4"
	70927206	1	CAPSCREW, 7/16" NC x 5-1/2"
	70904207	2	LOCKWASHER, 7/16"
	70919840	1	PLUG, pipe, hex-hd., 1/2" NPT
7	70928944	2	<input type="checkbox"/> O-RING
8	74023546	1	TUBE
9	74006840	1	ELBOW
	70916191	1	CAPSCREW, 7/16" NC x 1-1/2"
	70916867	1	CAPSCREW, 7/16" NC x 3 "
	70904207	2	LOCKWASHER, 7/16"
	70920134	1	PLUG, pipe, sq-hd., 1-1/8" NPT
10	74024018	1	<input type="checkbox"/> GASKET

☐ (Also see page 8)



ITEM	PART NO.	QTY.	DESCRIPTION
1	74255524	12	CAPSCREW
	70911987	12	WASHER, plain, 3/8"
	70904205	12	LOCKWASHER, 5/16"
2	74020017	1	MANIFOLD
	70919134	1	PLUG, pipe, hex-hd., 1/8" NPT
3	74021332	1	<input type="checkbox"/> GASKET

☐ (Also see page 8)

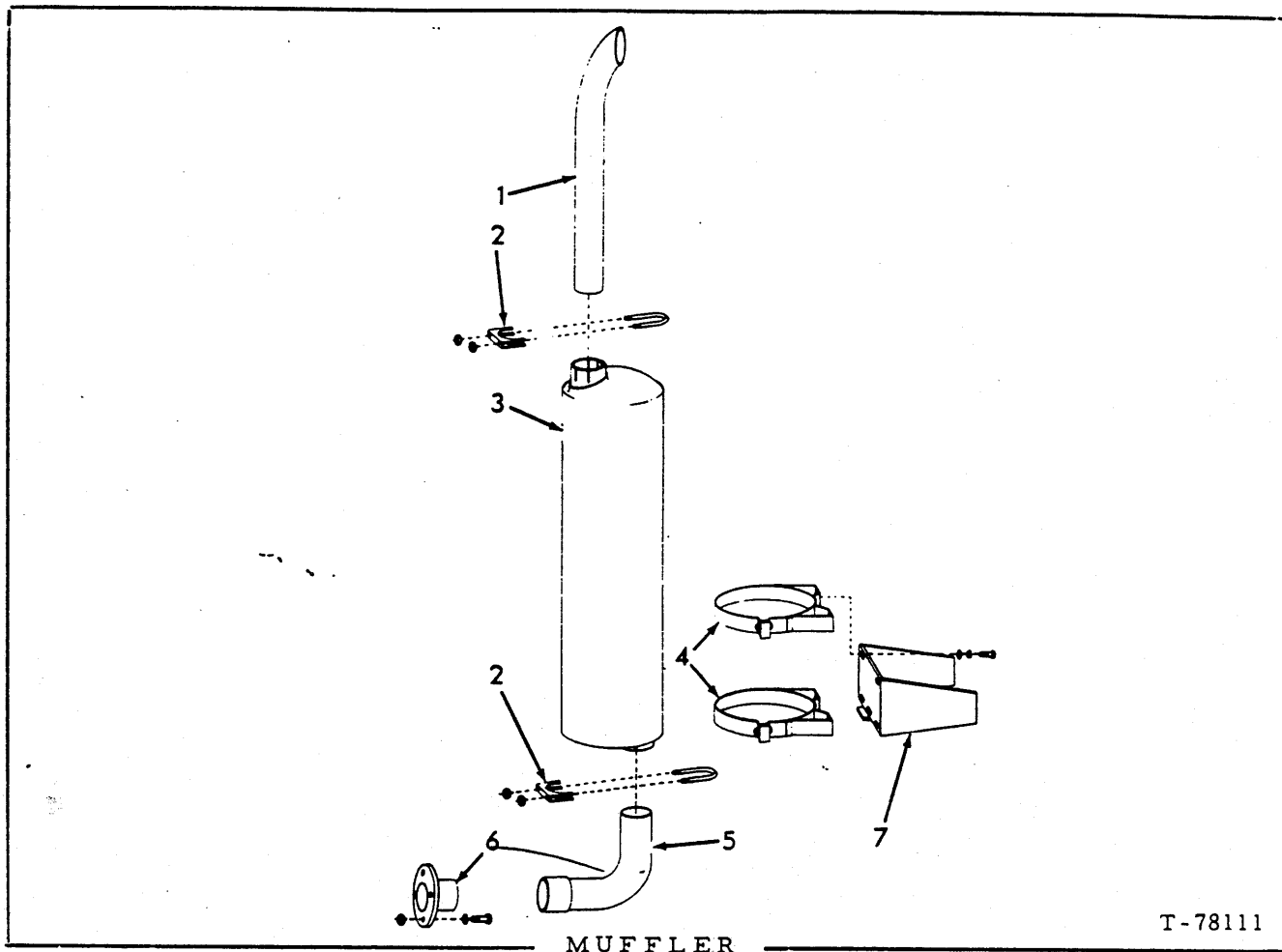


EXHAUST MANIFOLD

ITEM	PART NO.	QTY.	DESCRIPTION
1	{ 74020685	1	MANIFOLD (Used prior to engine s/n 2D-84115)
	74007652	1	MANIFOLD (Effective with engine s/n 2D-84115)
	74021803	6	CAPSCREW
	70919134	1	PLUG, pipe, hex-hd., 1/8" NPT
	70919840	1	PLUG, pipe, hex-hd., 1/4" NPT
2	74020090	3	□ GASKET
3	74506761	6	WASHER

□ (Also see page 8)



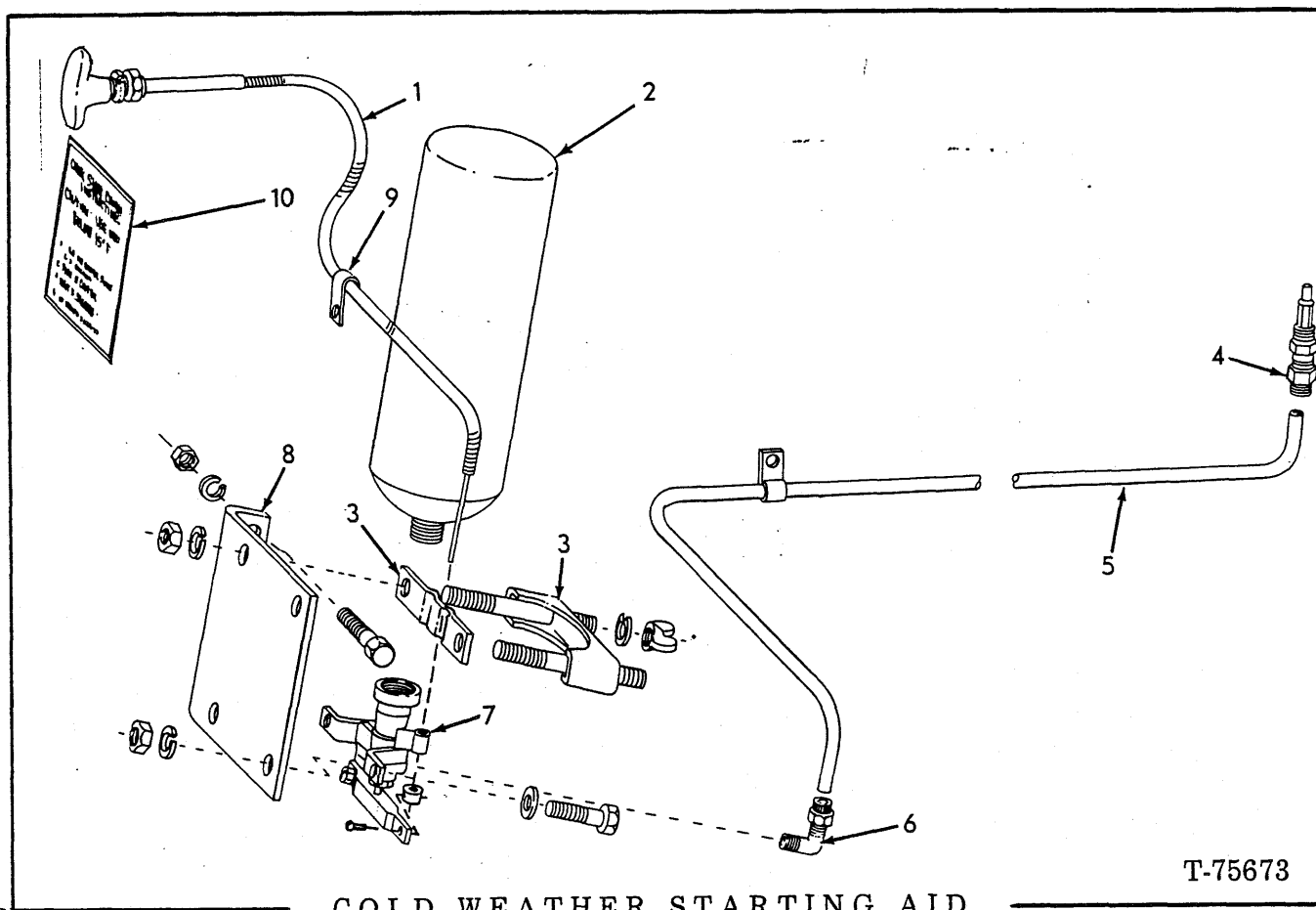


MUFFLER

T-78111

USAGE: Special equipment on Loaders prior to S/N 21C04855, 10L04480; standard thereafter.  
Also standard on Loaders series 21S and 33A.

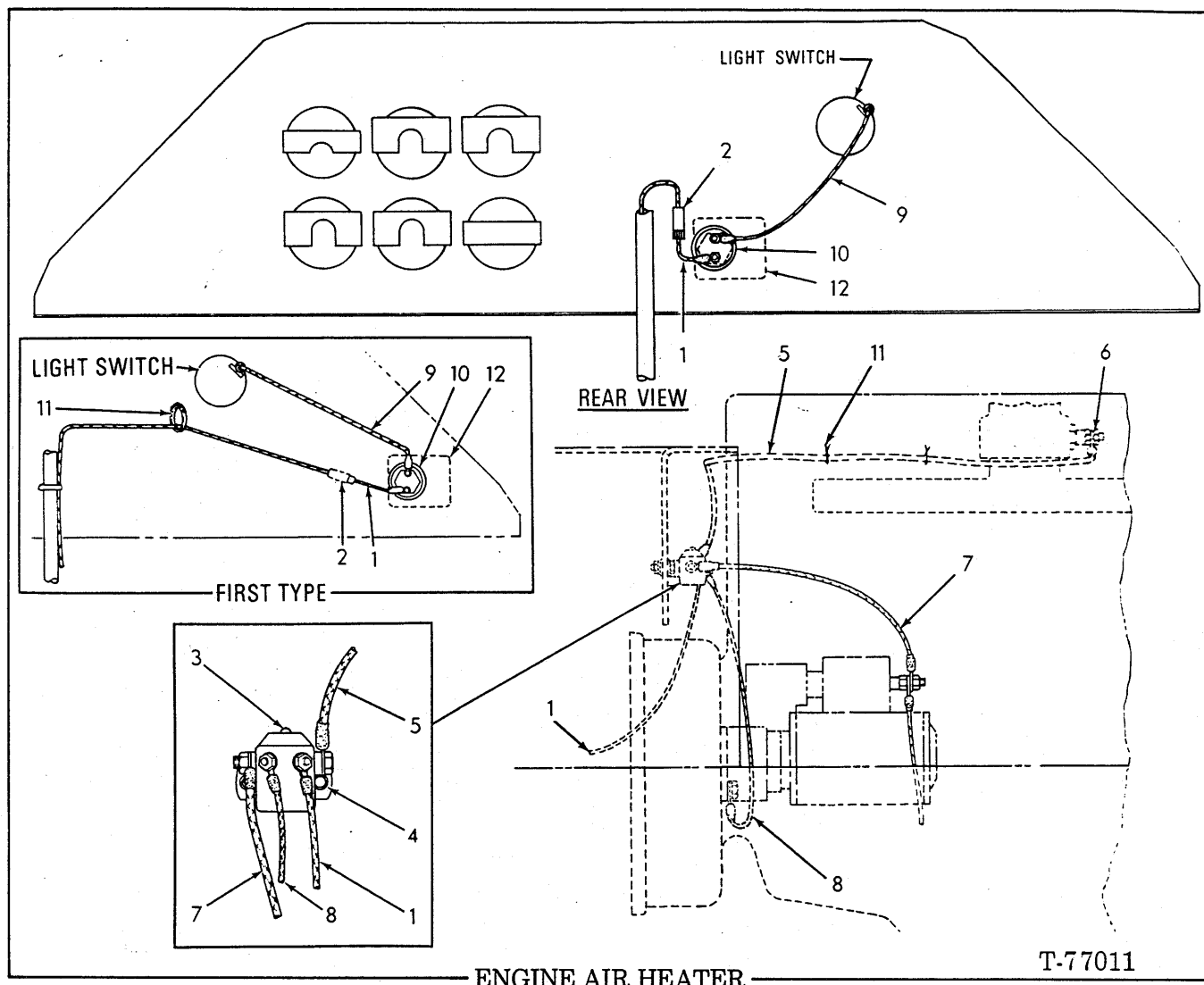
ITEM	PART NO.	QTY.	DESCRIPTION
1	73061683	1	TUBE, exhaust
2	73040883	2	CLAMP ASSY.
3	73061656	1	MUFFLER
4	73061477	2	BAND ASSY.
	70916271	4	CAPSCREW, 3/8" NC x 1"
	70904206	4	LOCKWASHER, 3/8"
	70911115	4	WASHER, plain, 3/8"
5	73061685	1	ELBOW
6	74027742	1	FLANGE
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8" NC
7	73061475	1	BRACKET (Requires welding to install) (Special equipment) (Used prior to loader serial no. 21C04855, 10L04480)



### COLD WEATHER STARTING AID

USAGE: Special Equipment (Standard on Loader series 33A)

ITEM	PART NO.	QTY.	DESCRIPTION
-	73067509	1	QUICK START ASSY. (Includes items 1,2,3,4,6 and 7)
1	73052083	1	CABLE ASSY
2	74024792	1	CYLINDER
3	73041822	1	CLAMP ASSY.
4	73100078	1	ATOMIZER ASSY. (First Type)
	73062408	1	ATOMIZER ASSY. (Second Type)
	73067534	1	ATOMIZER ASSY. (Third Type)
5	73052091	1	TUBE
	70925615	1	CLIP
6	73052086	1	ELBOW
7	73052084	1	VALVE ASSY. (First Type)
	73067533	1	VALVE ASSY. (Second Type)
	70916285	2	CAPSCREW, 1/4" NC x 1"
	70911114	2	WASHER, plain, 1/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4" NC
	73066657	1	STOP & SCREW ASSY. (Serviced only as a unit)
8	73056715	1	PLATE
	70915408	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70647418	2	NUT, 3/8" NC
9	73016496	1	CLIP
10	73065888	1	DECAL, starting fluid instruction (apply to bonnet)



ENGINE AIR HEATER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	73058450	1	WIRE ASSY., 148" long(Used prior to serial no. 21C06117, 10L04650)	
	73066589	1	WIRE ASSY., 3" long(Includes fuse holder cap)(Effective with serial no. 21C06117, 10L04650; also used on all Loader series 21S, 33A)	
2	73040013	1	FUSE, 3 amp.	
3	73044992	1	SOLENOID(no. 10-32 thread size)(Includes wire attaching hardware)	
	73071405	1	SOLENOID(no. 8-32 thread size)	
	70912626	2	CAPSCREW, 1/4"NF x 7/8"	} First Type
	70911114	2	WASHER, plain, 1/4"	
	70916590	2	NUT, 1/4" NF	
	70916284	2	CAPSCREW, 1/4"NC x 1/2"	} WIRE ASSY. to SOLENOID
	70904204	2	LOCKWASHER, 1/4"	
	70911114	2	WASHER, plain, 1/4"	
	73054504	2	NUTSERT, 1/4"NC	} WIRE ASSY. to SOLENOID
	70917395	2	LOCKWASHER, no. 8	
	70917385	2	NUT, no. 8-32 NC	
	70904205	2	LOCKWASHER, 5/16"	
	70910233	2	NUT, 5/16" NF	

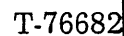
(Continued)

# ENGINE AIR HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	70927202	2	GROMMET
5	73045696	1	WIRE ASSY.
6	74516760	1	ELEMENT, air heater (includes indented GASKET)
	74512343	1	GASKET
7	73058697	1	WIRE ASSY.
8	73018642	1	WIRE ASSY., ground
9	73057436	1	WIRE ASSY.
10	73073459	1	SWITCH
11	70925094	12	CLIP
12	73067155	1	NAME PLATE
13	73065887	1	*DECAL(Used on Loader series 21C, 10L prior to unit no. 06870; also used on Loader series 21S prior to unit no. 05425)
	73070500	1	*DECAL(Used on Loader series 21C effective with unit no. 06870, and Loader series 21S effective with unit no. 05425; also used on all Loader series 33A)
14	73067436	1	KIT, engine air heater (Includes items 1, 2, 3, 5, 7, 8, 10, 11, 12, 15, 16, 17, 1 WIRE 73058450 and 1 WIRE 73054824) (For service replacement engines effective with loader s/n 21C04201 - 21C06116 and 10L04201 - 10L04649)
15	73048897	1	DECAL, transmission instruction
16	73065887	1	DECAL, engine instruction
17	73067435	1	INSTALLATION INSTRUCTION

\* engine starting instruction  
applied to hydraulic console

MEMO



ITEM	PART NO.	QTY.	DESCRIPTION
1	73057141	1	TANK (Not for Loader series 33A)
	73073157	1	TANK (For Loader series 33A only)
2	70921216	1	PLUG, 1-5/16" str. thd. (Includes indented O-RING)
	70921214	1	O-RING
3	73057501	1	PLATE
	70916271	3	CAPSCREW, 3/8" NC x 1"
	70916272	9	CAPSCREW, 3/8" NC x 1-1/4"
	70911115	12	WASHER, plain, 3/8"
	70910287	12	LOCKWASHER, 3/8"
	70910324	6	NUT, 3/8" NC
			(Continued)

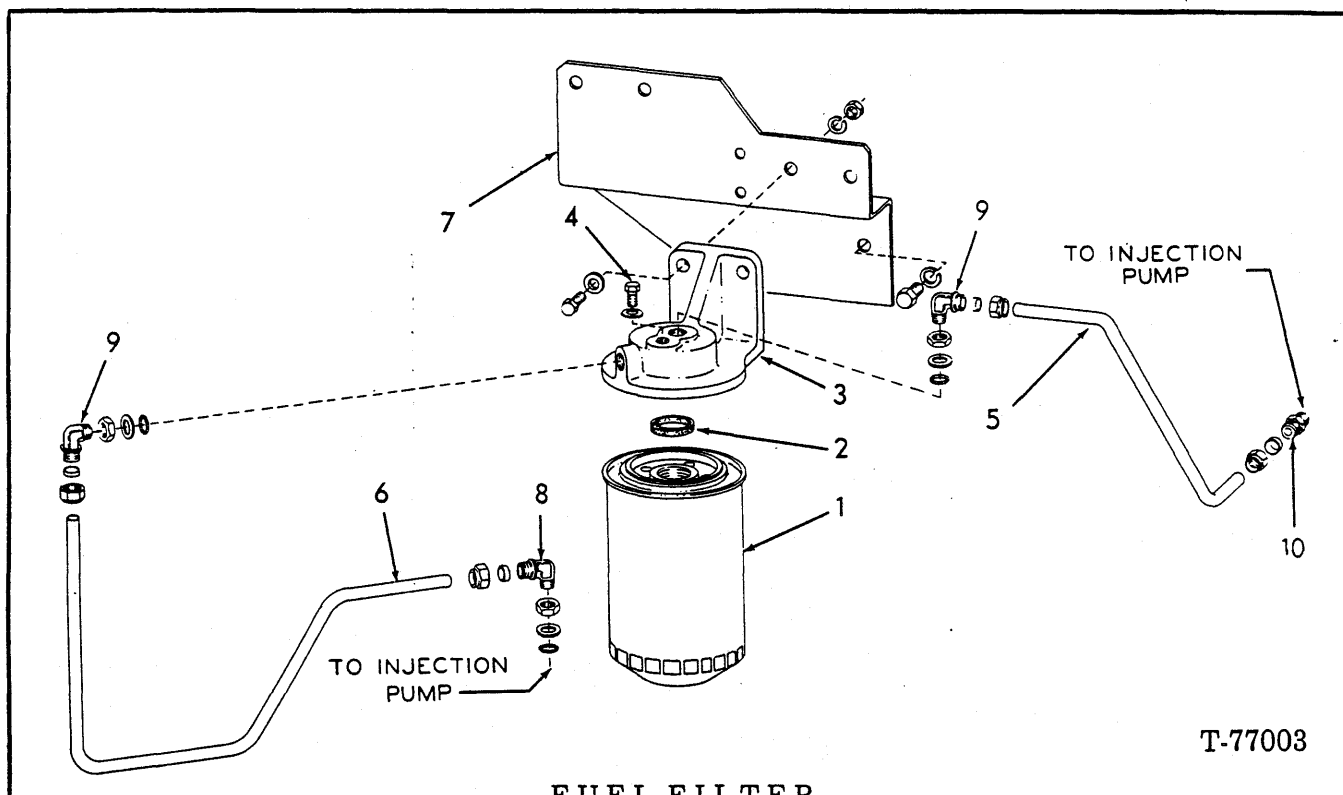
## FUEL TANK AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	73058040	2	SPACER (.065" thick-use as required)
5	73057706	1	†HOSE ASSY.(Used on Loader series 21C, 10L prior to unit no. 06870; also used on Loader series 21S prior to unit no. 05495)
	73070493	1	†HOSE ASSY.(Used on Loader series 21C effective with unit no. 06870, and Loader series 21S effective with unit no. 05425; also used on all Loader series 33A except when equipped with Engine Fuel Heater)
6	73057707	1	†HOSE ASSY.
	70925011	1	ELBOW, 1/4" tube, 9/16" str. thd. } used prior to loader s/n 21C05561
	70921855	1	O-RING } 10L04575
	73063652	1	HOSE ASSY. (serviced only as unit)(effective with loader s/n 21C05561, 10L04575; also used on all Loader series 21S, 33A.
	70925094	2	TIE
7	73035950	1	CAP (Not for Loader series 33A)
	73072773	1	CAP ASSY. (For Loader series 33A only)(Includes item 7a)
7a	73072771	1	'S' HOOK (For Loader series 33A only)
8	73057477	1	DIPSTICK (Not for Loader series 33A)
9	73057475	1	TUBE (Not for Loader series 33A)
	73069907	1	TUBE ASSY. (For Loader series 33A only)(Includes item 9a)
	70916271	1	CAPSCREW, 3/8" NC x 1"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC
9a	73072775	1	CHAIN, jack (For Loader series 33A only)
10	73028393	1	HOSE
	70921915	2	CLAMP (1-13/16" to 2-3/4")
11	73057708	2	TUBE ASSY.(includes indented O-RING)(qty. 1 used prior to loader s/n 21C05561, 10L04575)
	70921349	2	O-RING
12	70919797	1	TEE, union, 1/4" tube(Used on Loader series 21C, 10L prior to unit no. 06870; also used on Loader series 21S prior to unit no. 05495)
	70921534	1	UNION, 1/4" tube(Used on Loader series 21C effective with unit no.06870, and Loader series 21S effective with unit no. 05425; also used on all Loader series 33A)
	70917806	3	SLEEVE, 1/4" tube
	70917809	3	NUT, 1/4" tube
13	73058010	1	ELBOW ASSY. (includes indented O-RING)(Used on Loader series 21C, 10L prior to unit no. 06870; also used on Loader series 21S prior to unit no. 05495)
	70921884	1	O-RING
	74359776	1	CONNECTOR (includes indented O-RING)(Used on Loader series 21C effective with unit no. 06870, and Loader series 21S effective with unit no. 05425; also used on all Loader series 33A)
	70921885	1	O-RING
	70917807	3	SLEEVE, 3/8" tube
	70917810	3	NUT, 3/8" tube
14	-----	1	TUBE(see page 45 or 46a)
15	71007657	1	SENDING UNIT ASSY., fuel
16	70241522	1	GASKET
17	70917452	5	SCREW, machine, No. 10 x 1/2"
18	73072725	1	STRAINER

For Loader series  
33A only

† see page 7

(Revised April 1981)



T-77003

### FUEL FILTER

USAGE: used prior to engine s/n 2D-112196. Also see page 40a.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74028945	1	ELEMENT (Includes item 2)
2	-----	1	O-RING (Not serviced separately)
3	74028802	1	BASE ASSY. (Includes insert and item 4)
	70919224	2	CAPSCREW, 3/8" NC x 1-1/8"
	70904206	2	LOCKWASHER, 3/8"
	70913544	2	WASHER, plain
	70910324	2	NUT, 3/8" NC
4	70920612	1	CAPSCREW, 3/8" NF x 1/2"
	74251367	1	WASHER, copper
5	74023499	1	TUBE, fuel filter to injection pump
	70917807	2	SLEEVE, compression, 3/8" tube
	70917810	2	NUT, compression, 3/8" tube
6	74023498	1	TUBE, injection pump to filter
	70917807	2	SLEEVE, compression, 3/8" tube
	70917810	2	NUT, compression, 3/8" tube
7	74024285	1	BRACKET
	70916254	2	CAPSCREW, 7/16" NC x 1"
	70904207	2	LOCKWASHER, 7/16"
8	74023720	1	ELBOW ASSY., 3/8" (Includes nut, washer and O-RING indented below)
	70921384	1	O-RING
9	74023721	2	ELBOW ASSY., 3/8" (Each includes nut, washer and O-RING indented below)
	70921885	2	O-RING
10	74023556	1	CONNECTOR, 1/4" (includes O-RING indented below)
	70921884	1	O-RING

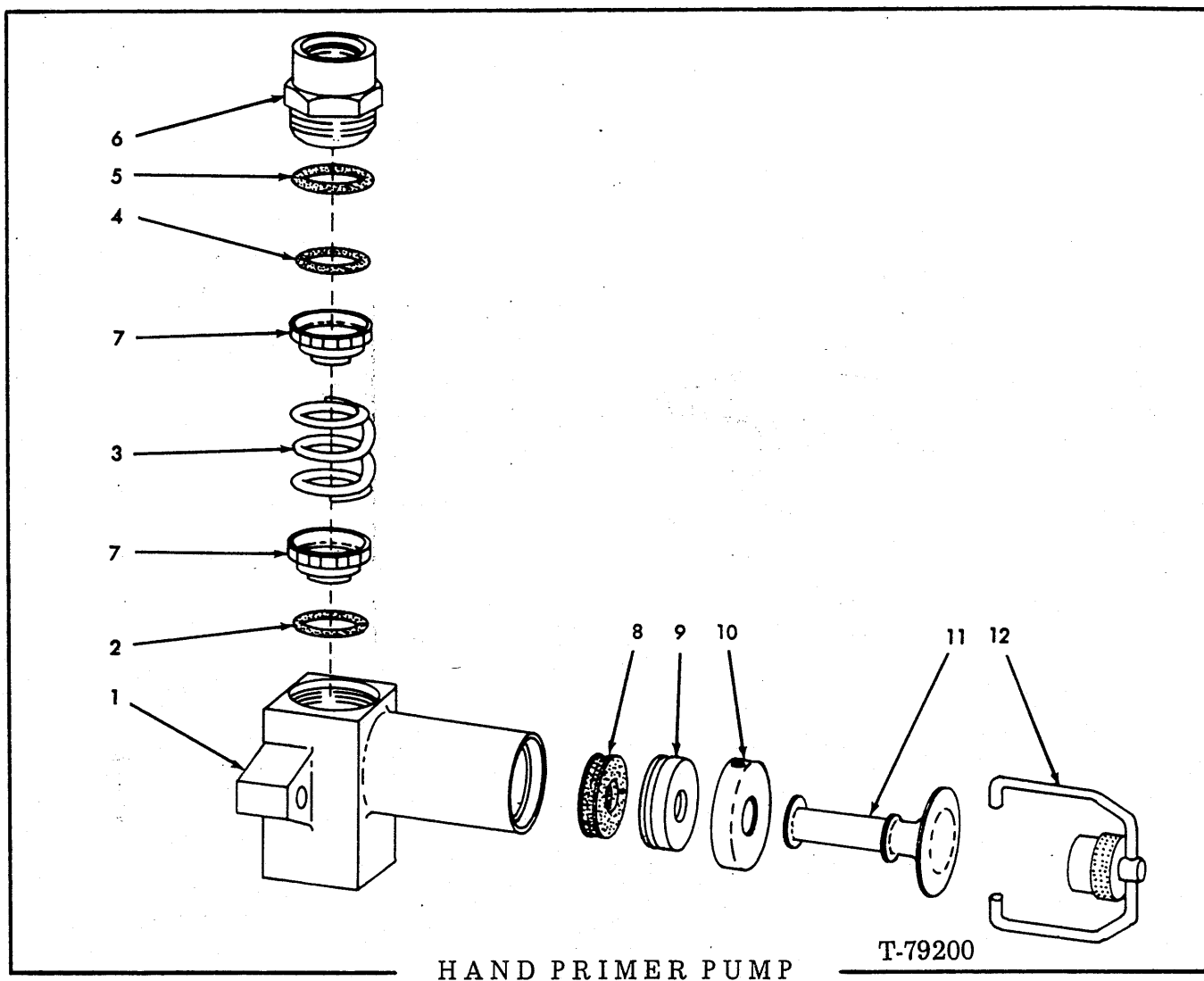




# FUEL FILTER AND LINES (Continued)

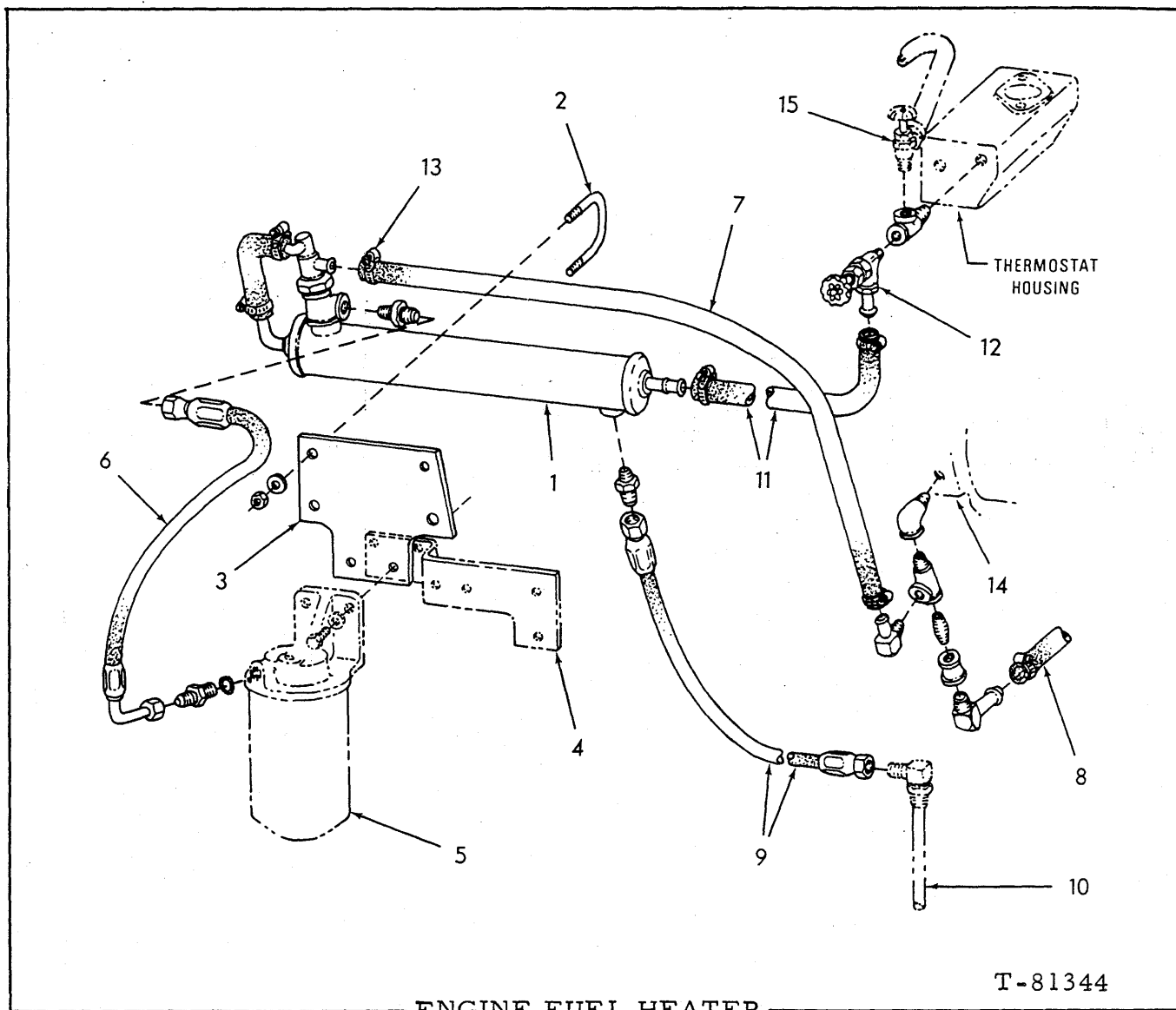
ITEM	PART NO.	QTY.	DESCRIPTION
3	74036099	1	SCREW
4	74254873	1	WASHER
5	74028803	1	BASE
6	74025232	1	INSERT
7	74359776	2	CONNECTOR (includes indented O-RING)
	70921885	2	O-RING
8	74008066	1	BRACKET (Not for Loaders series 33A unit #07947 and up. See page 247C)
9	74008067	1	BRACKET
	70916254	2	CAPSCREW, 7/16" NC x 1"
	70914678	2	LOCKWASHER, 7/16"
10	74008327	1	BRACE
11	74021803	1	CAPSCREW
12	74008065	1	TUBE
	70917810	2	NUT, 3/8" tube
	70917807	2	SLEEVE, 3/8" tube
13	74023720	1	ELBOW (includes indented O-RING)
	70921884	1	O-RING
14	74024229	1	PUMP ASSY. (see page 40c)
	70914081	2	SCREW, no. 10 - 32 x 1"
	70904203	2	LOCKWASHER, no. 10
	70910251	2	NUT, no. 10-32
15	74008064	1	TEE (includes nut, washer and indented O-RING)
	70921884	1	O-RING
	70915514	1	DRAIN COCK, 1/8" NPTF
16	74008068	1	TUBE (Not for Loaders series 33A effective unit #07947)
	70917810	2	NUT, 3/8" tube
	70917807	2	SLEEVE, 3/8" tube
17	74023556	1	CONNECTOR (includes indented O-RING)
	70921884	1	O-RING
18	-----	1	HOSE ASSY. }
	-----	1	SLEEVE } see page 38
	-----	1	NUT }

(Revised April 1981)



USAGE: See page 40a.

ITEM	PART NO.	QTY.	DESCRIPTION
-	74024229	1	PUMP ASSY. (includes items 1 thru 12)
1	-----	1	BODY (order PUMP ASSY.)
2	74060695	1	O-RING
3	74050638	1	SPRING
4	74048649	1	SEAL
5	74050645	1	RING
6	74060956	1	NUT
7	74050637	2	VALVE
8	74053035	1	SEAL
9	74053037	1	GUIDE
10	74059620	1	CAP
11	74053036	1	PLUNGER
12	74050646	1	CLAMP ASSY. (includes screw and wire)



USAGE: Standard on Loaders series 33A only effective Loader unit No. 07947 and up excluding Nos. 07958, 08023, 08024, 08025, 08029, 08030, 08031

ITEM	PART NO.	QTY.	DESCRIPTION
1	73077150	1	HEATER ASSY. (Serviced only as a unit)
2	73077151	2	U-BOLT
	70929662	4	WASHER
	70929245	4	NUT
3	73077172	1	PLATE
4	-----	1	BRACKET (See page 247C)
5	-----	1	FILTER (See page 40A)
6	73077144	1	HOSE
	70917807	1	SLEEVE
	70917810	1	NUT
	70919127	1	CONNECTOR (heater end)
	74359776	1	CONNECTOR (filter end)(includes O-Ring)
	70921885	1	O-RING
7	73077145	1	HOSE
	70927198	1	ELBOW

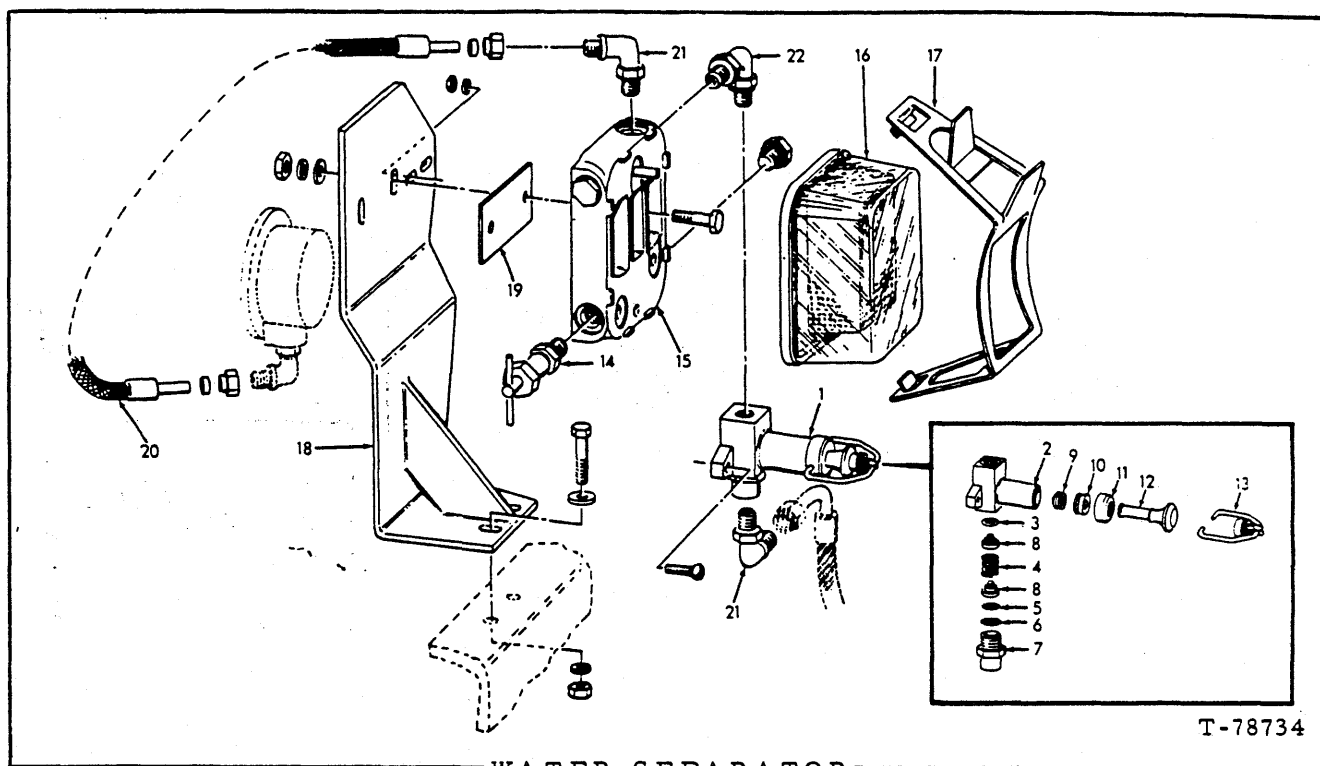
(Continued)

(Added April 1981)

## ENGINE FUEL HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	-----	1	HOSE (See Cab Heater)
	70927476	1	ELBOW
	70915478	1	BUSHING
	70901500	1	NIPPLE
	70914087	1	TEE
	70901724	1	ELBOW
9	73077143	1	HOSE
	70919127	1	CONNECTOR
10	-----	1	TUBE ASSY. (See Fuel Tank and Lines)
11	73077167	1	HOSE
12	73077136	1	VALVE
	70914087	1	TEE
13	70921911	4	CLAMP, hose
14	-----	-	WATER PUMP
15	-----	1	VALVE (See Cab Heater)





# WATER SEPARATOR

USAGE: Special Equipment. Used on Loader series 21C, 10L prior to unit no. 06870; also used on Loader series 21S prior to unit no. 05425.

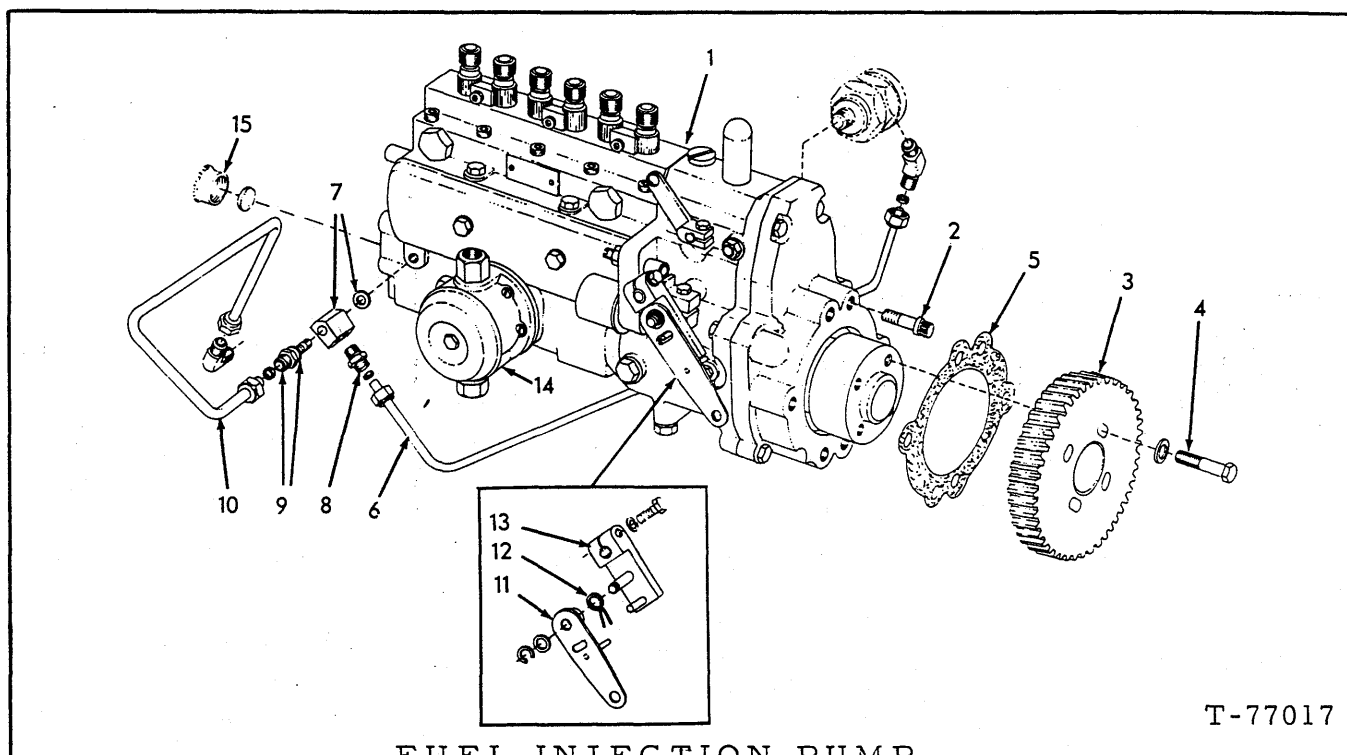
ITEM	PART NO.	QTY.	DESCRIPTION
1	74024229	1	PUMP ASSY., hand primer (Includes items 2 thru 13)
	70912401	2	SCREW, #10 - 24
	70904203	2	LOCKWASHER, #10
	70901310	2	NUT, #10 - 24
2	-----	1	BODY, pump (Order PUMP ASSY.)
3	74060695	1	O-RING
4	74050638	1	SPRING
5	74048649	1	SEAL
6	74050645	1	RING
7	74060956	1	NUT
8	74050637	2	VALVE
9	74053035	1	SEAL
10	74053037	2	GUIDE
11	74059620	1	CAP
12	74053036	1	PLUNGER
13	74050646	1	CLAMP ASSY. (Includes SCREW and WIRE)
14	74024217	1	VALVE ASSY., drain (Includes 1 O-RING 70921884)
15	74024224	1	BASE ASSY.
	70923167	2	PLUG ASSY., 5/16" tube (Includes 1 O-RING 70921884)
16	74024223	1	ELEMENT ASSY. (Water Separator)
17	74024237	1	CLAMP

(Continued)

# WATER SEPARATOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	73061598	1	BRACKET
	70923683	2	CAPSCREW (Self-tapping) 3/8" NC x 3/4"
	70911115	2	WASHER, plain, 3/8"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
19	73043879	1	SHIM (.059" thick)
20	73059499	1	HOSE ASSY. (Serviced only as a unit)
21	73058010	2	ELBOW ASSY. (Includes 1 O-RING 70921884)
	70917807	2	SLEEVE, 3/8" tube
	70917810	2	NUT, 3/8" tube
22	74024215	1	ELBOW ASSY. (Includes 1 O-RING 70921885)





T-77017

# FUEL INJECTION PUMP

(Simms)

USAGE: Used prior to engine s/n 2D112242

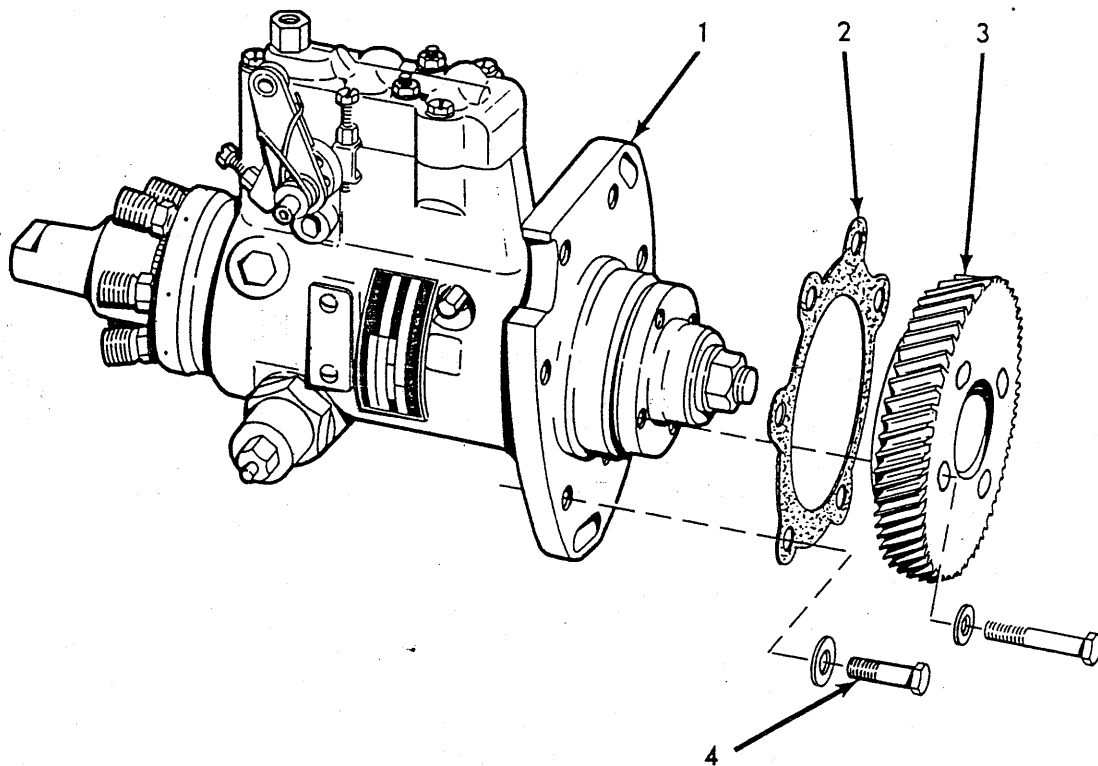
NOTE: Refer to FUEL INJECTION PUMP Parts Catalog for service parts.

ITEMS	PART NO.	QTY.	DESCRIPTION
1	74006502	1	PUMP ASSY. (Factory adjusted-replacement for original PUMP ASSY. 74024872)(Used prior to engine serial no. 2D-83104)
	74006849	1	PUMP ASSY. (Factory adjusted-replacement for original PUMP ASSY. 74006848)(Effective with engine serial no. 2D-83104)
	74061294	1	PUMP KIT (Basic-requires calibration)(Used prior to engine serial no. 2D-83104)
	74061681	1	PUMP KIT (Basic-requires calibration)(Effective with engine serial no. 2D-83104)
2	70922051	6	CAPSCREW, 3/8" NC x 1"
3	74023602	1	GEAR
4	70920660	4	CAPSCREW, 5/16" NC x 1-1/2"
	74028076	4	WASHER
5	74028781	1	GASKET
6	74023884	1	TUBE ASSY. (Includes NUT and SLEEVE indented below)
	70917806	2	SLEEVE, imperial, 1/4" tube
	70917809	2	NUT, imperial, 1/4" tube
	70928564	1	ELBOW, compression, 45°, 1/4" tube, 1/8" NPT
7	74023882	1	ADAPTER,
	70926328	1	WASHER, sealing
8	74023557	1	CONNECTOR
9	74023883	1	CONNECTOR
	70926328	1	WASHER, sealing

(Continued)

# FUEL INJECTION PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	74023500	2	TUBE ASSY. (Includes qty. 2 NUT and SLEEVE indented below)
	70926676	1	TEE, compression, 1/4" tube, 1/8" NPT (First type)
	70919040	1	ELBOW (Includes NUT and SLEEVE below) (Second type)
	70917806	3	SLEEVE, imperial, 1/4" tube
	70917809	3	NUT, imperial 1/4" tube
11	74029170	1	LEVER ASSY.
	70924271	1	CAPSCREW, #10 NF
	70904203	1	LOCKWASHER, #10
12	74029176	1	SPRING LEVER
13	74029173	1	LEVER ASSY.
	70910335	1	WASHER
	70927791	1	RING
14	74060547	1	PUMP
15	74371118	1	COVER
	74367090	1	WASHER



T-80501

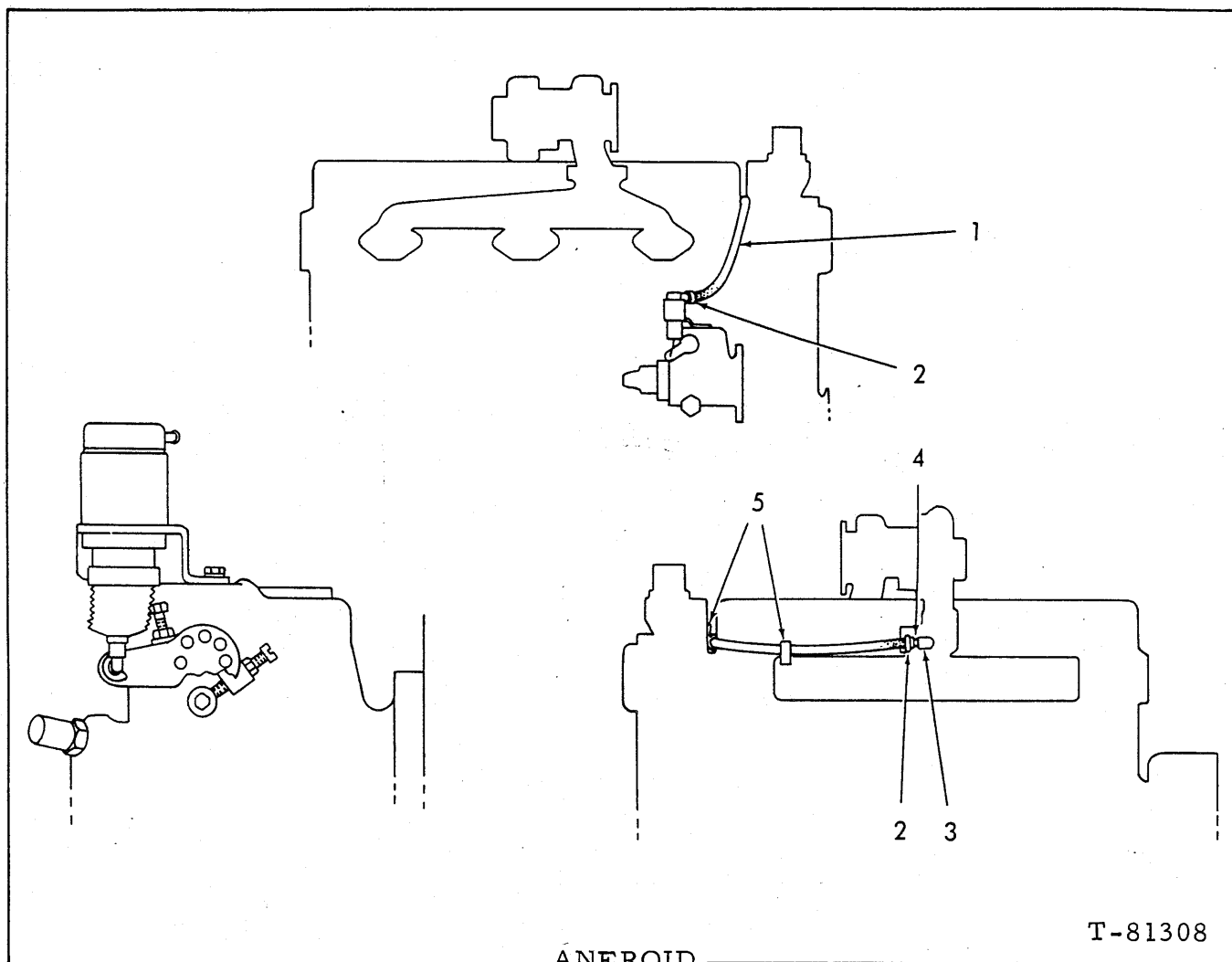
FUEL INJECTION PUMP ASSEMBLY (Roosa-Master)

USAGE: Effective with engine S/N 2D-112242

NOTE: Refer to Fuel Injection Pump Parts Catalog  
for item 1 service parts

ITEM	PART NO.	QTY.	DESCRIPTION
1	74008322	1	PUMP ASSY. (Standard, without aneroid)
	74008551	1	PUMP ASSY. (Optional, with aneroid)(Refer to page 44B)
2	74028781	1	GASKET
3	74023602	1	GEAR
	70920660	4	CAPSCREW, 5/16"NC x 1-1/2"
	74028076	4	WASHER
4	70922051	5	CAPSCREW, 12 pt., 3/8"NC x 1"
	74020145	5	WASHER

(Revised February 1981)



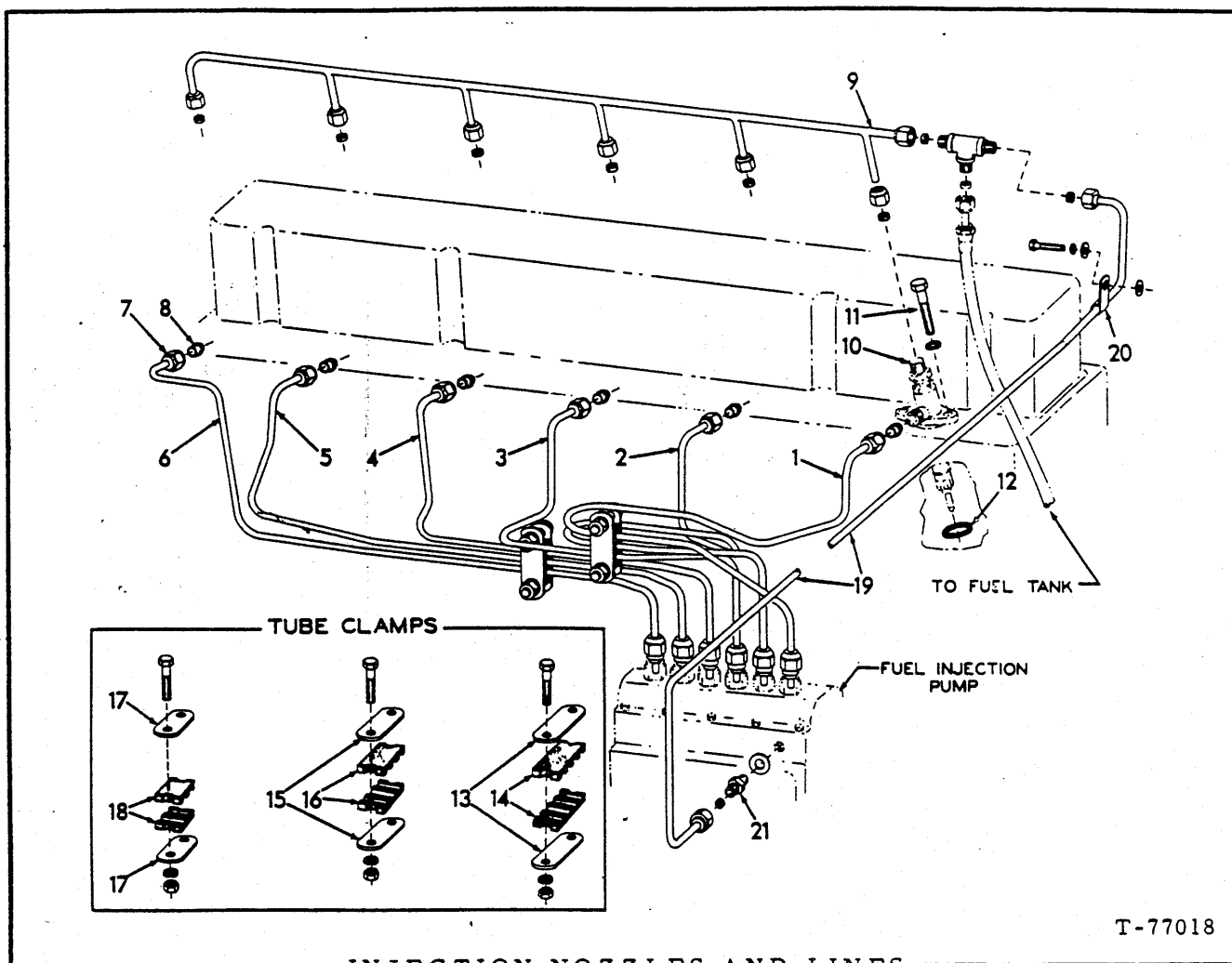
USAGE: Optional equipment, used with engine S/N 20-112242 and up.

NOTE: Refer to Fuel Injection Pump, Part Catalog for service item, Pump Part No. 74008551.

ITEM	PART NO.	QTY.	DESCRIPTION
-	74008730	1	KIT, aneroid installation (Includes aneroid conversion kit and items 1 thru 6)
-	74008624	1	KIT, aneroid conversion (Includes aneroid, bracket, boot, rod, shut-off arm, adjusting screws and required attaching hardware)

NOTE: When 74008730 aneroid kit is installed on standard injection pump, pump should be reidentified as Part No. 7400855 ) (See Aneroid Kit)

1	74008731	1	HOSE (Serviced as a unit only)
2	70929402	2	CLAMP
3	70915399	1	ELBOW, 90°, 1/8" pipe
4	70928454	1	FITTING, barb, 3/16" hose, 1/8" pipe
5	70926917	2	CLAMP
6	74008732	1	PRINT, instructions



T-77018

# INJECTION NOZZLES AND LINES

USAGE: used prior to engine s/n 2D-112242

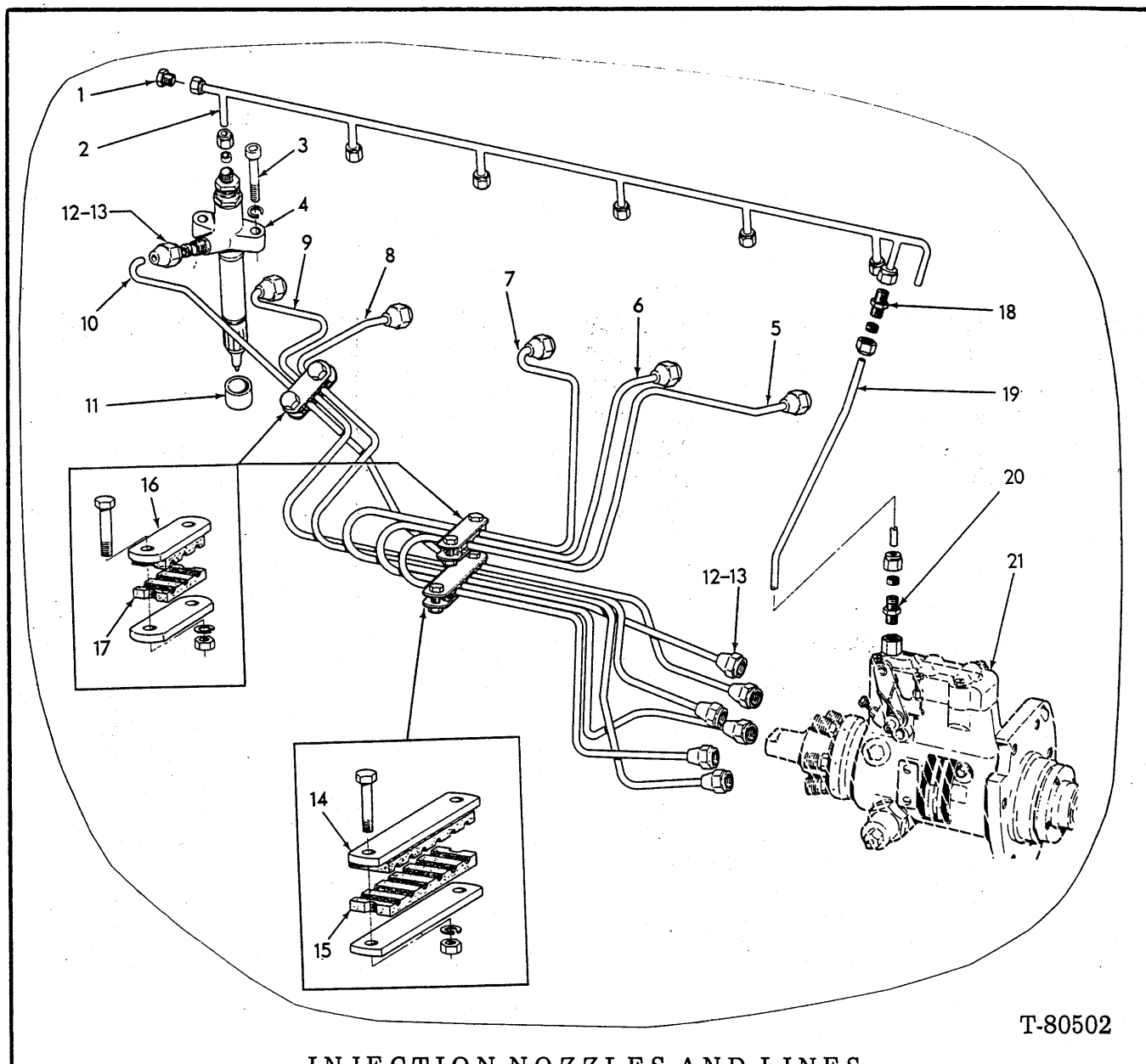
ITEM	PART NO.	QTY.	DESCRIPTION
1	74024483	1	TUBE, fuel injection (#1 cylinder)
2	74023493	1	TUBE, fuel injection (#2 cylinder)
3	74023494	1	TUBE, fuel injection (#3 cylinder)
4	74024485	1	TUBE, fuel injection (#4 cylinder)
5	74024487	1	TUBE, fuel injection (#5 cylinder)
6	74023497	1	TUBE, fuel injection (#6 cylinder)
7	74504409	12	NUT
8	74501149	12	SLEEVE
9	74023597	1	TUBE
	70917809	7	NUT, 1/4"
	70917806	7	SLEEVE, 1/4"
10	-----	6	HOLDER ASSY., nozzle (See page 47)

(Continued)

# INJECTION NOZZLES AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	74007086	12	CAPSCREW
	70904205	12	LOCKWASHER, 5/16"
12	74024010	6	□ SHIELD
13	74507415	2	PLATE
	70916279	2	CAPSCREW, 5/16" NC x 1-1/2"
	70904205	2	LOCKWASHER, 5/16"
	70910323	2	NUT, 5/16" NC
14	74507359	2	SPACER
15	74507416	2	PLATE
	70916279	2	CAPSCREW, 5/16" NC x 1-1/2"
	70904205	2	LOCKWASHER, 5/16"
	70910323	2	NUT, 5/16" NC
16	74507360	2	SPACER
17	74507415	2	PLATE
	70916279	2	CAPSCREW, 5/16" NC x 1-1/2"
	70911421	2	WASHER, plain, 5/16"
	70914321	2	NUT, jam, 5/16" NC
18	74507359	2	SPACER
19	74024263	1	TUBE
	70919797	1	TEE, union 1/4" tube
	70917806	2	SLEEVE, 1/4" tube
	70917809	2	NUT, 1/4" tube
20	70926918	1	CLAMP
	70904205	1	LOCKWASHER, 5/16"
	70929292	1	WASHER, 5/16"
	74612682	1	SPACER, 5/16" I.D. x 1/4" thick
	70916280	1	CAPSCREW, 5/16" NC x 2"
21	74024258	1	CONNECTOR
	74060556	1	WASHER

□ (Also see page 8)



T-80502

# INJECTION NOZZLES AND LINES

USAGE: Engine serial No. 2D-112242 thru 49-12166

ITEM	PART NO.	QTY.	DESCRIPTION
1	74021440	1	PLUG
2	74006827	1	TUBE (See page 38 for fuel tank return hose)
	70917809	7	NUT, 1/4" tube
	70917806	7	SLEEVE, 1/4" tube
3	74007086	12	CAPSCREW, 5/16 NC x 1-3/4"
	70904205	12	LOCKWASHER, 5/16"
4	-----	6	NOZZLE HOLDER ASSEMBLY (see page 47)
5	74006761	1	TUBE (no. 1 Cylinder)
6	74006762	1	TUBE (no. 2 Cylinder)
7	74006763	1	TUBE (no. 3 Cylinder)
8	74006764	1	TUBE (no. 4 Cylinder)
9	74006765	1	TUBE (no. 5 Cylinder)
10	74006766	1	TUBE (no. 6 Cylinder)
11	74024010	6	SHIELD

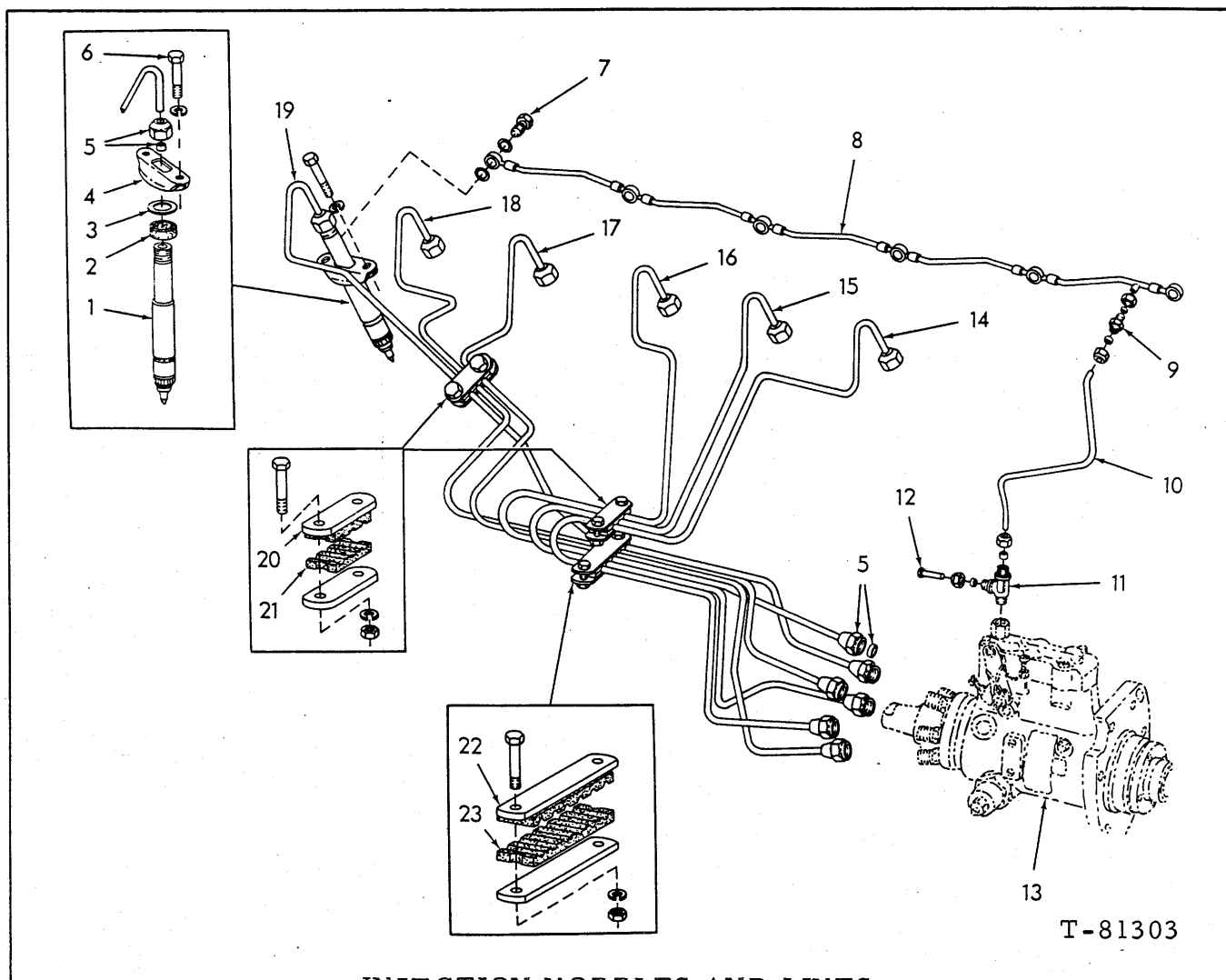
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(Revised January 1981)

## INJECTION NOZZLES AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	74504409	12	NUT
13	74501149	12	SLEEVE
14	74025217	2	PLATE
	70918237	2	CAPSCREW, 1/4" NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4" NC
15	74020724	2	SPACER
16	74507415	4	PLATE
	70918237	4	CAPSCREW, 1/4" NC x 1-1/4"
	70904204	4	LOCKWASHER, 1/4"
	70910880	4	NUT, 1/4" NC
17	74507359	4	SPACER
18	70921534	1	UNION, 1/4" tube
	70917806	2	SLEEVE, 1/4" tube
	70917809	2	NUT, 1/4" tube
19	74007625	1	TUBE
20	70919800	1	CONNECTOR, 1/4" tube, 1/8"NPT
	70917806	1	SLEEVE, 1/4" tube
	70917809	1	NUT, 1/4" tube
21	-----	1	PUMP ASSEMBLY (see page 44a)





### INJECTION NOZZLES AND LINES

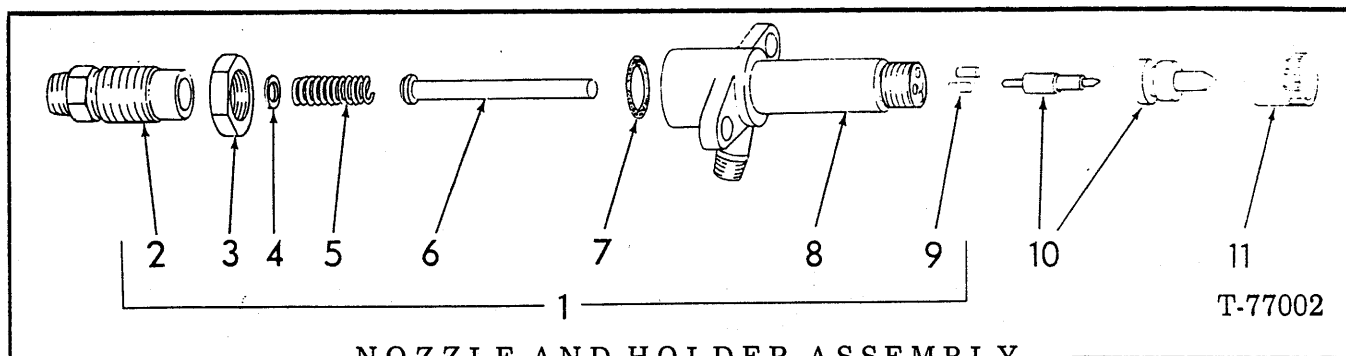
USAGE: Engine S/N 49-12167 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	6	NOZZLE AND HOLDER ASSY. (See page 47A)
2	74009040	6	SHIELD
3	74009035	6	WASHER
4	74322293	6	FLANGE
5	74501149	12	SLEEVE, 1/4" tube
	74504409	12	NUT, 1/4" tube
6	74009199	12	CAPSCREW, 5/16"NC x 1-5/8"
	70904205	12	LOCKWASHER, 5/16"
7	74322188	6	SCREW
	74322189	12	GASKET
8	74009092	1	TUBE
9	70921534	1	UNION
	70917806	2	SLEEVE, 1/4" tube
	70917809	2	NUT, 1/4" tube
10	74009128	1	TUBE
11	70920411	1	TEE
	70917806	2	SLEEVE, 1/4" tube
	70917809	2	NUT, 1/4" tube

(Continued)

## INJECTION NOZZLES AND LINES (Continued)

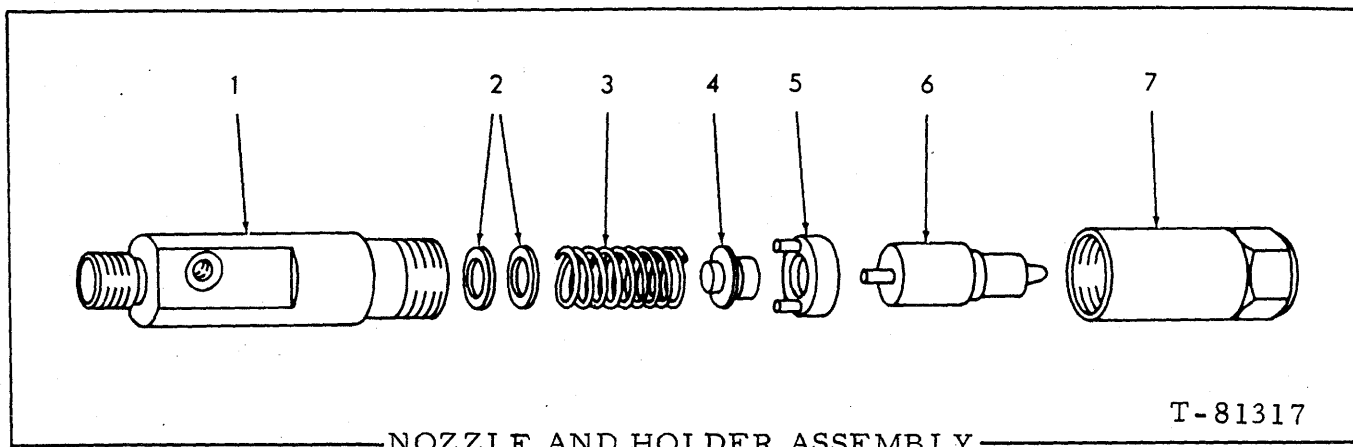
ITEM	PART NO.	QTY.	DESCRIPTION
12	74009236	1	TUBE
13	-----	1	PUMP ASSY. (See page 44A)
14	74501149	12	SLEEVE, 1/4" tube
	74504409	12	NUT, 1/4" tube
15	74009060	1	TUBE (No. 1 cylinder)
16	74009061	1	TUBE (No. 2 cylinder)
17	74009062	1	TUBE (No. 3 cylinder)
18	74009063	1	TUBE (No. 4 cylinder)
19	74009064	1	TUBE (No. 5 cylinder)
20	74009065	1	TUBE (No. 6 cylinder)
21	74507415	4	PLATE
	70918237	4	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	4	LOCKWASHER, 1/4"
	70910880	4	NUT, 1/4"NC
22	74507359	2	SPACER
23	74025217	2	PLATE
	70918237	2	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4"NC
24	74020724	2	SPACER



# NOZZLE AND HOLDER ASSEMBLY

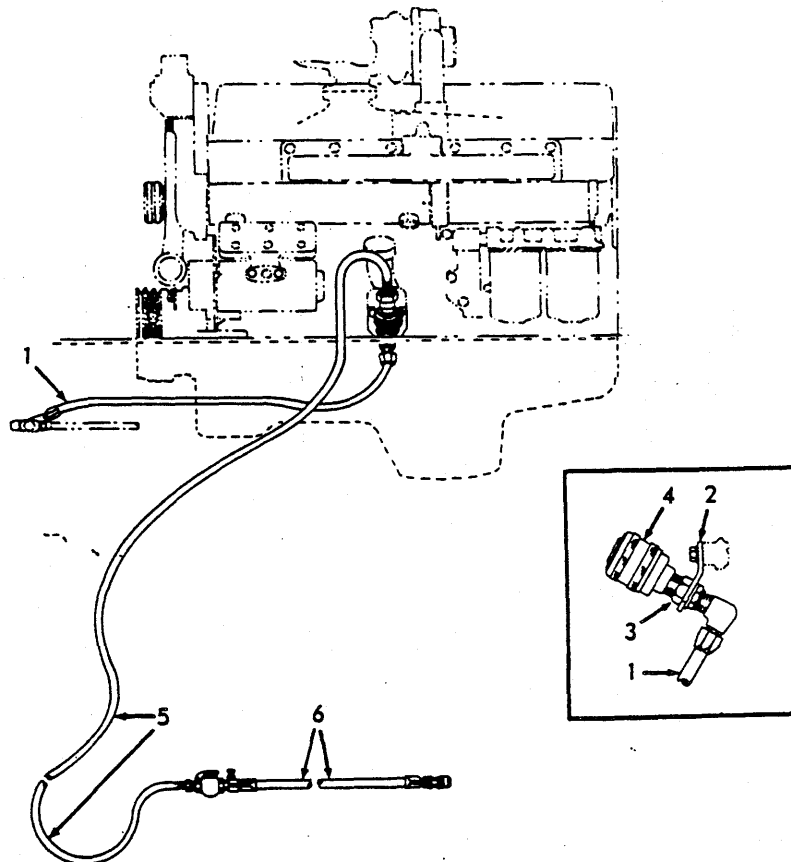
USAGE: \* Used prior to engine s/n 2D-112242 } See page 45 and 46a  
 \*\* Engine S/N 2D-112242 thru 49-12166 }

ITEM	PART NO.	QTY. * **	DESCRIPTION
-	{ 74007231	1 -	NOZZLE AND HOLDER ASSY. }
-	{ 74007787	- 1	NOZZLE AND HOLDER ASSY. }
1	{ 74023489	1 -	HOLDER ASSY. }
	{ 74007968	- 1	HOLDER ASSY. }
2	74023570	1 1	SCREW
3	74517266	1 1	NUT
4	74023571	1 1	WASHER
5	74380652	1 1	SPRING
6	{ 74024012	1 -	ROD (used prior to engine s/n 2D-69516)
	{ 74025148	1 1	ROD (effective with engine s/n 2D-69516)
7	{ 70928049	1 -	O-RING (used prior to engine s/n 2D-69516)
	{ 70930506	1 1	O-RING (effective with engine s/n 2D-69516)
8	-----	1 1	BODY (order item 1)
9	74025149	2 2	DOWEL
10	{ 74007224	1 -	NOZZLE ASSY.
	{ 74007225	- 1	NOZZLE ASSY.
11	74024011	1 1	NUT
12	74035910	1 1	FILTER, felt (not illustrated - removed from item 2 at first servicing)



USAGE: Engine serial No. 49-12167 and up. Lower spring type. See page 46C.

ITEM	PART NO.	QTY.	DESCRIPTION
-	74009013	6	NOZZLE AND HOLDER ASSY. (Includes items 1 thru 8)
1	-----	1	BODY (Not serviced)
2	-----	-	SHIM (Use as required)(See item 9)
3	74062665	1	SPRING
4	74062664	1	SEAT
5	74062666	1	SPACER
6	74009011	1	NOZZLE ASSY. (Includes item 8)
7	74062667	1	NUT
8	74025150	1	GASKET
9	74062809	1	KIT, shim (Assortment in thickness from .0394" thru .0551") (Sufficient quantity to service approx. 100 nozzles)

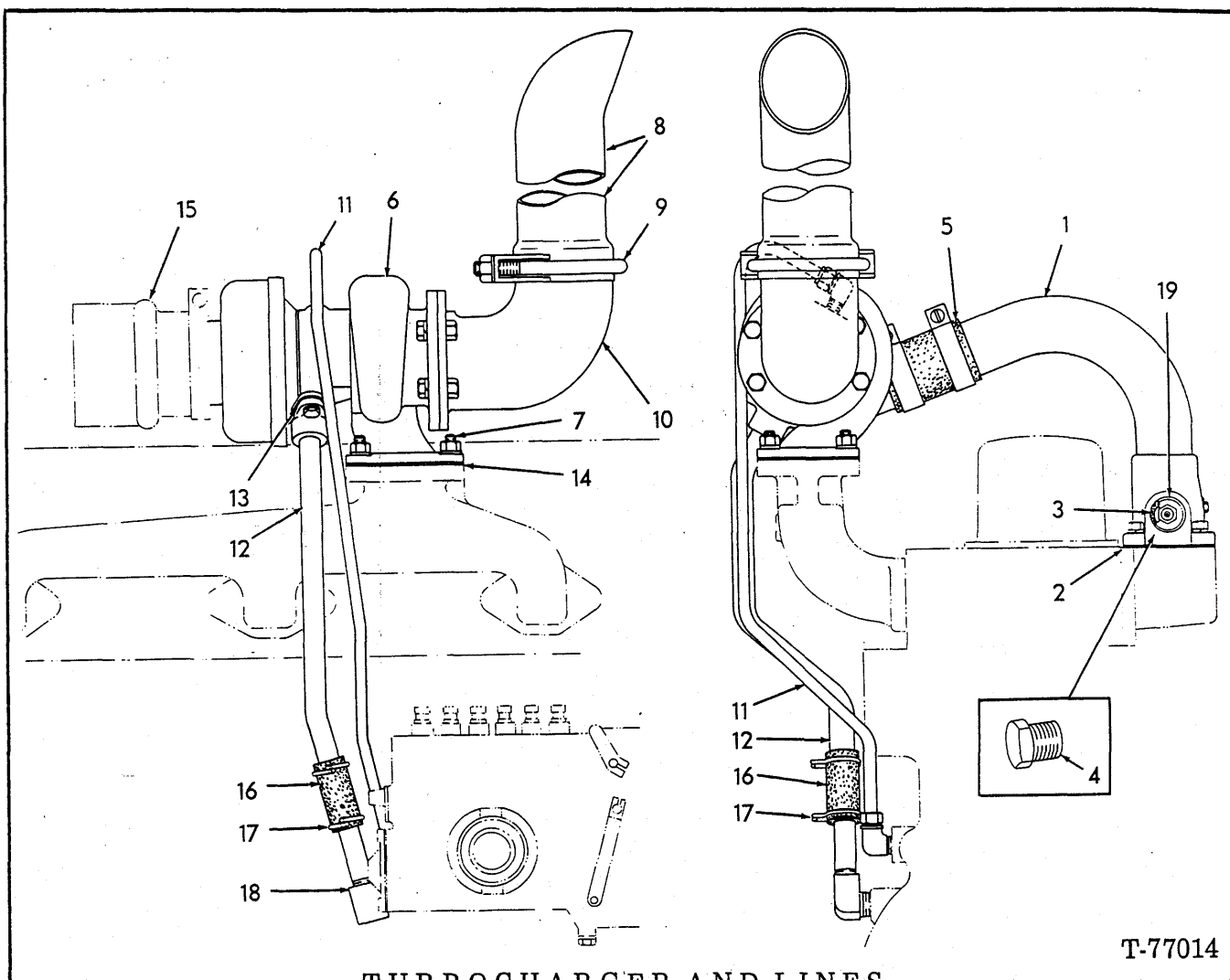


T-78158

# TIRE INFLATION KIT

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73062170	1	HOSE ASSY.
	70919526	1	TEE
	70919507	1	ELBOW
	70919581	1	ELBOW
2	73062084	1	BRACKET
	70916254	2	CAPSCREW, 7/16" x 1"
	70904207	2	LOCKWASHER, 7/16"
3	73062169	1	BULKHEAD FITTING (Includes WASHER and NUT)
4	70185967	1	AIR CHECK UNIT
5	73062171	1	HOSE ASSY.
6	70185966	1	AIR CHUCK ASSY.



### TURBOCHARGER AND LINES

USAGE: \* used prior to engine s/n 2D-112242  
 \*\* effective with engine s/n 2D-112242

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	74024558	1	-	PIPE ASSY.
	74006592	-	1	PIPE ASSY.
	70914670	4	4	CAPSCREW, 5/16" NC x 1-1/4"
	70904205	4	4	LOCKWASHER, 5/16"
	70920525	4	4	NUT, 5/16" NC
2	74007990	1	1	<input type="checkbox"/> GASKET
3	74512343	1	1	GASKET
4	74020880	1	-	PLUG
5	74027975	1	1	HOSE
	70927140	2	2	CLAMP, 2-1/8" - 2-7/16"
6	-----	1	1	TURBOCHARGER ASSY. (see page 51)

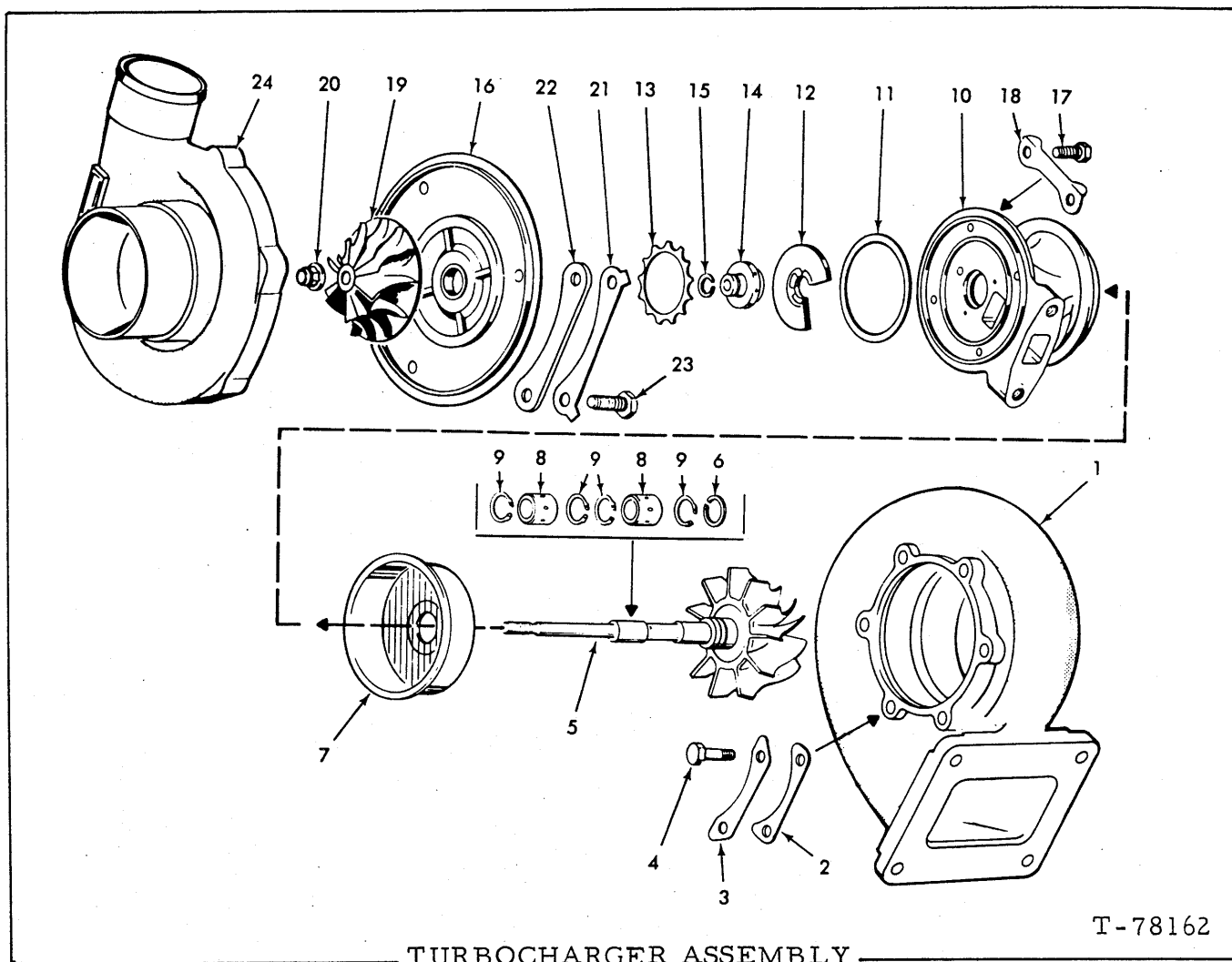
(Continued)

# TURBOCHARGER AND LINES (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
7	{ 74513701	4 -	STUD (used prior to engine s/n 2D-84115)
	{ 70914847	4 4	CAPSCREW, 3/8" NC x 1-1/2" (effective with engine s/n 2D-84115)
	70913544	4 4	WASHER, plain, 13/32"
	74255977	4 4	NUT
8	73043516	1 -	* TUBE
9	73040883	1 -	* CLAMP ASSY.
10	70236705	1 -	* ELBOW
	70916272	4 -	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4 -	LOCKWASHER, 3/8"
	70910324	4 -	NUT, 3/8" NC
11	{ 74024588	1 -	TUBE ASSY. , oil feed }
	{ 74006780	- 1	TUBE ASSY., oil feed }
	74255983	2 2	SLEEVE
	74338301	2 -	SLEEVE
	70917810	2 2	NUT, 3/8"
	70928915	1 -	ELBOW, 3/8" tube, 1/2" NPT
	70920280	1 1	ELBOW, 3/8" tube, 1/4" NPT (turbo end)
	70920700	- 1	CONNECTOR, 3/8" tube, 3/8" NPT
	70904271	- 1	BUSHING, 1/2" x 3/8" pipe
	{ 74023550	1 -	TUBE }
12	{ 74023011	- 1	TUBE }
	70919224	2 2	CAPSCREW, 3/8" NC x 1-1/8"
	70910287	2 2	LOCKWASHER, 3/8"
13	74339532	1 1	<input type="checkbox"/> GASKET
14	74025781	1 1	<input type="checkbox"/> GASKET
15	-----	1 1	HOSE (see page 54)
16	{ 74378836	1 -	HOSE
	{ 74027719	- 1	HOSE
17	{ 70921911	2 -	CLAMP, worm, 11/16" - 1-1/4"
	{ 70922660	- 2	CLAMP, worm, 13/16 - 1-1/2"
	74390144	1 -	NIPPLE
	70918382	1 -	ELBOW, street, 1/2" NPT
	70925054	- 1	NIPPLE, barb, 3/4" hose, 1/2" NPTF
19	74516760	1 1	ELEMENT (includes item 3)(also see page 37)

☐ also see page 8

\* used prior to loader s/n 21C04855, 10L04480



USAGE: See page 49.

ITEM	PART NO.	QTY.	DESCRIPTION
-	74024238	1	TURBOCHARGER ASSY. (Includes items 1 thru 23) (Engines prior to S/N 49-06388)(Order 74009171)
-	74009171	1	TURBOCHARGER ASSY. (Includes items 1 thru 24) (Engine S/N 49-06388 and up)
1	74060701	1	HOUSING
2	74059990	3	CLAMP
3	74059991	3	LOCKPLATE
4	74059998	6	BOLT
5	74062661	1	SHAFT AND TURBINE WHEEL
6	74060936	1	RING
7	74059997	1	SHROUD
8	74060935	2	BEARING
9	74060726	4	RING
10	74060940	1	HOUSING KIT, center (Includes Pin indented below)
	74053422	2	PIN, spring, stainless, 3/32" x 1/4"
11	74056300	1	RING, sealing, compressor housing
12	74060939	1	BEARING
13	74059987	1	SPRING
14	74059988	1	COLLAR

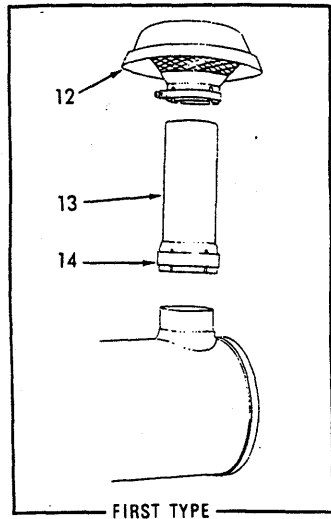
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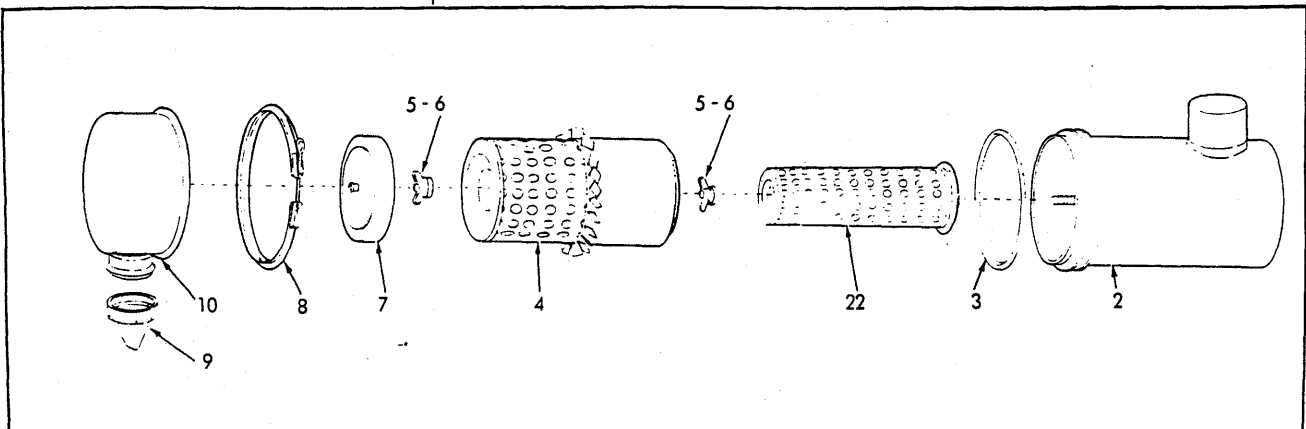
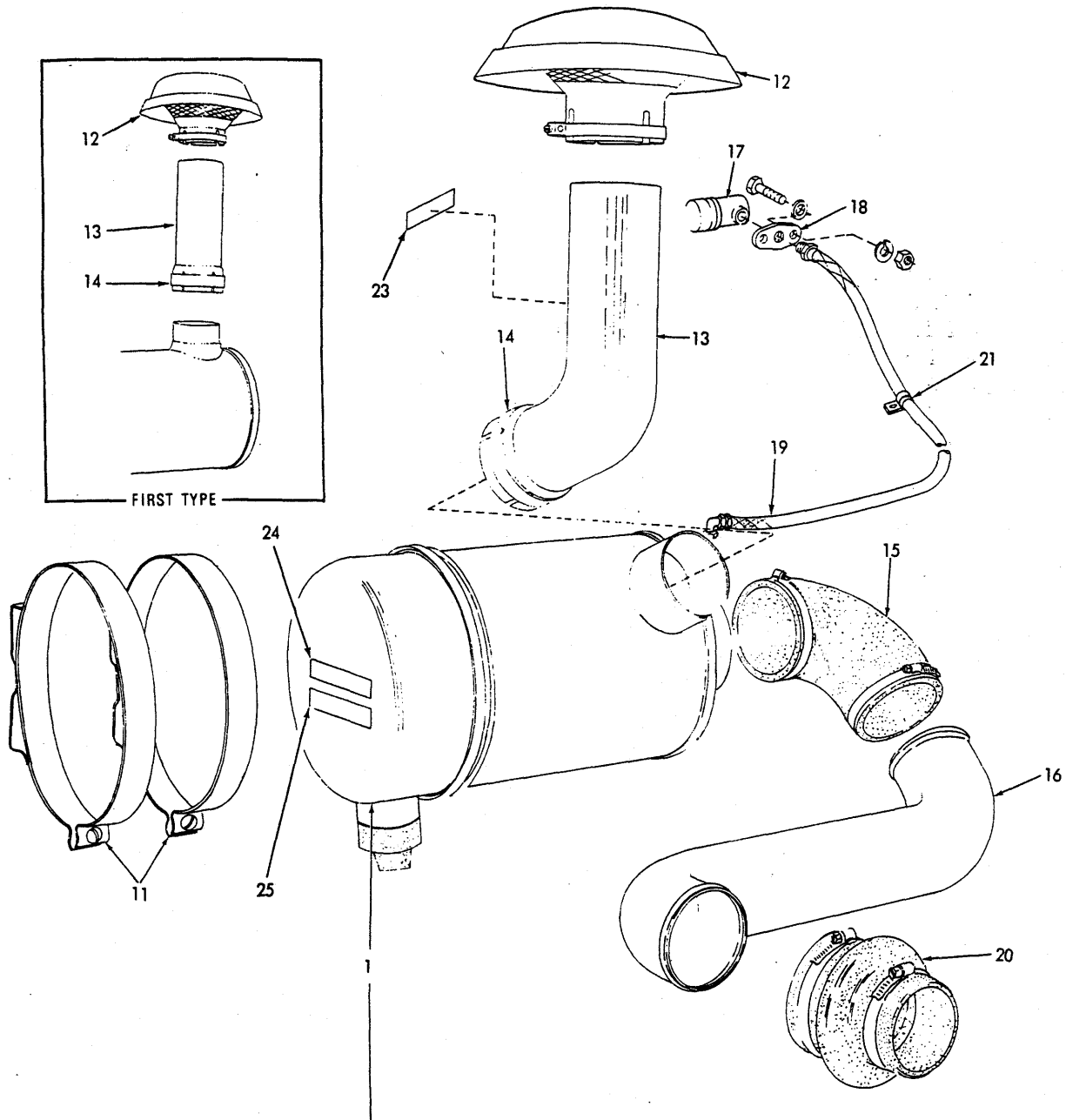
# TURBOCHARGER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	74059984	1	RING
16	74062086	1	BACKPLATE ASSY., compressor housing (Includes item 13)
17	70928202	4	BOLT, attaching
18	74059992	2	LOCKPLATE
19	74062084	1	WHEEL
20	74059993	1	NUT
21	74060949	3	LOCKPLATE
22	74060948	3	CLAMP
23	70919317	6	CAPSCREW, 5/16"NC x 1/2"
24	74060946	1	HOUSING

MEMO



FIRST TYPE

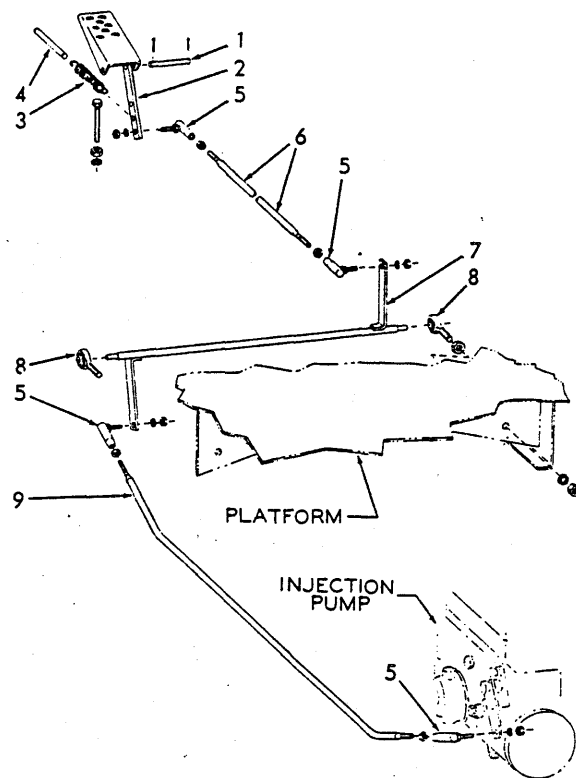


T-70729

AIR CLEANER

# AIR CLEANER

ITEM	PART NO.	QTY.	DESCRIPTION
1	73053289	1	CLEANER ASSY. (Includes items 2 thru 10 and 22)
2	-----	1	BODY (Order item 1)
3	70248860	1	O-RING
4	70684732	1	ELEMENT
5	-----	1	WASHER (Order item 6)
6	70664343	2	NUT ASSY. (Includes item 5)
7	70646860	1	BAFFLE ASSY.
8	70648087	1	CLAMP ASSY. (Includes bolt)(Serviced only as a unit)
9	70197810	1	VALVE, dust
10	73050554	1	CUP ASSY.
11	73026368	2	BRACKET ASSY. (Includes 2 SCREW 70903764 and 2 NUT 70910292)
	70903764	2	SCREW, machine, 5/16" NC x 1-1/2"
	70910292	2	NUT, square, 5/16" NC
	70910324	4	NUT, 3/8" NC
	70916271	4	CAPSCREW, 3/8" NC x 1"
	70900817	4	WASHER, plain, 3/8"
	70910287	4	LOCKWASHER, 3/8"
12	74025957	1	CAP
13	{ 73044163	1	TUBE (First type)(Used prior to unit no. 04451)
	73059702	1	TUBE (Effective with unit no. 04451)
14	73044206	1	CLAMP ASSY. (Includes bolt)
15	73055075	1	ELBOW
	70925263	2	CLAMP (4-1/2" to 4-13/16")
16	73054241	1	TUBE
17	74388648	1	INDICATOR
18	73045531	1	FLANGE
	70916285	2	CAPSCREW, 1/4" NC x 1"
	70911114	2	WASHER, plain, 1/4"
	70904204	2	LOCKWASHER, 1/4"
	70916622	2	NUT, 1/4" NC
19	73045834	1	HOSE ASSY. (Serviced only as a unit) (First type)
	70919249	1	ELBOW, 1/4" tube, 1/8" NPT female
	-----	1	TUBE (36". Refer to item 26)(Second type)
	70928800	1	ELBOW, 1/4" tube, 7/16" str. thd.
	70928799	1	CONNECTOR, 1/4" tube, 7/16" str. thd.
20	73038799	1	HOSE
	70925342	1	CLAMP (4-1/4" to 4-9/16")
	70925634	1	CLAMP (3-5/16" to 3-5/8")
21	70925617	1	CLIP (First type)
	70928654	1	CLIP (Second type)
22	70662608	1	ELEMENT
23	73108722	1	DECAL, starting fluid
24	73107894	1	DECAL, element cleaning
25	73112663	1	DECAL, cyclopac
26	73067681	-	TUBE (100' roll. Use as required)



T-76662

### ENGINE CONTROLS

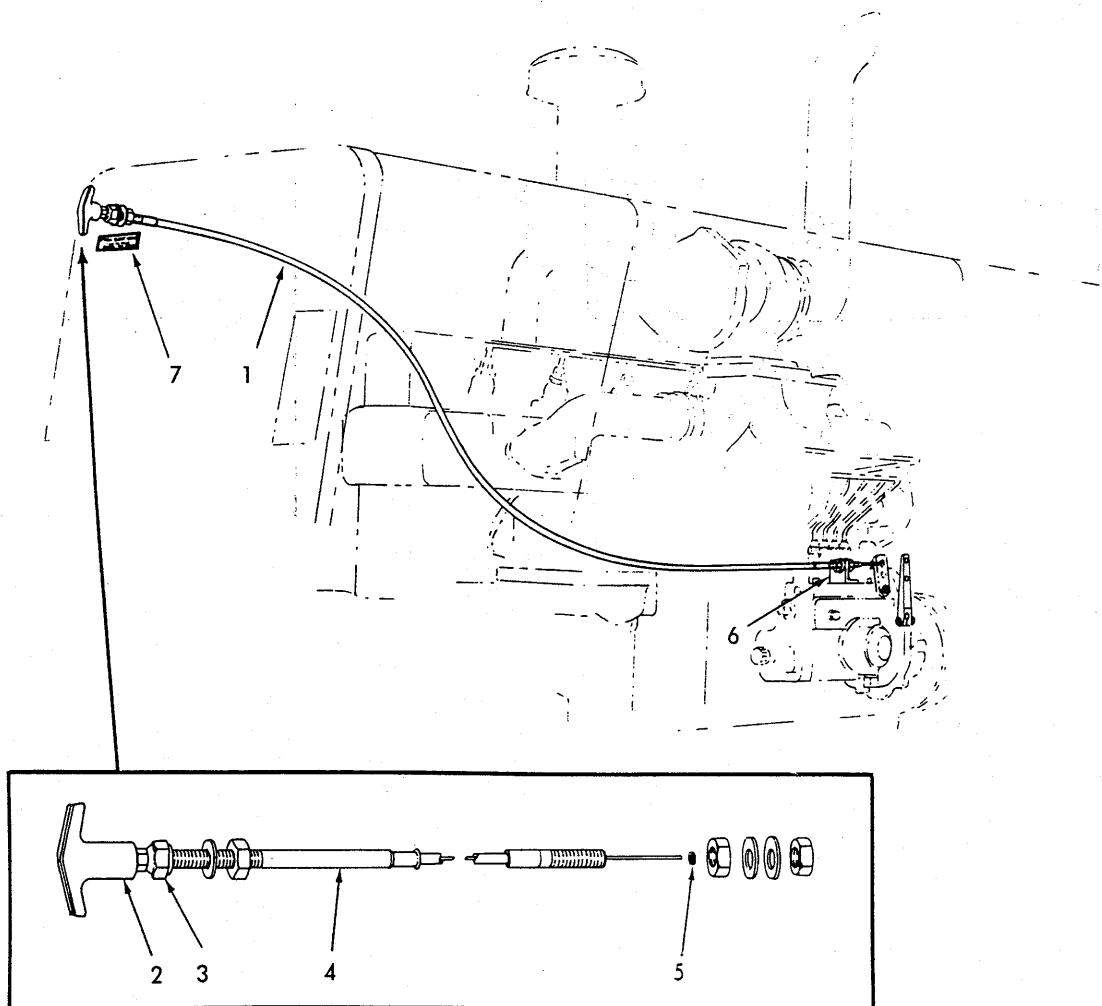
USAGE: Used prior to loader s/n 21C, 10L06870 and 21S05425.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73021696	1	PIN
	70904001	2	PIN, cotter, 3/32" x 1/2"
2	73056433	1	PEDAL
	70915990	1	CAPSCREW, 3/8" NC x 2-3/4"
	70910324	1	NUT, jam, 3/8" NC
	70910287	1	LOCKWASHER, 3/8"
3	73014226	1	SPRING
4	73021657	1	ROD
5	70925040	4	JOINT, ball, 1/4"
	70904204	4	LOCKWASHER, 1/4"
	70911040	8	NUT, jam, 1/4" NF
6	73057465	1	ROD
7	73057463	1	SHAFT
8	73014549	2	BEARING
	70914678	2	LOCKWASHER, 7/16"
	70910876	4	NUT, jam, 7/16" NF
9	73057467	1	ROD
	70925607	1	CLIP, rod support (Not illustrated)
	70916309	1	CAPSCREW, 1/2" NC x 3/4"
	70912441	1	LOCKWASHER, 1/2"



## ENGINE CONTROLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	73014226	1	SPRING
3	73021657	1	ROD
4	73021696	1	PIN
	70904001	2	PIN, cotter, 3/32" x 1/2"
5	73056433	1	PEDAL
6	70686384	5	JOINT, ball
	70904204	5	LOCKWASHER, 1/4"
	70911040	5	NUT, jam, 1/4" NF
7	73070481	1	ROD
	70911040	2	NUT, jam, 1/4" NF
8	73070028	1	SHAFT, weld assy. (includes item 10)
9	73014549	2	BEARING
	70914678	2	LOCKWASHER, 7/16"
	70910876	4	NUT, jam, 7/16" NF
10	70624584	1	BUSHING
11	70628736	1	YOKE
	70910329	1	NUT, jam, 3/8" NF
12	70078810	1	PIN
	70918448	1	PIN, cotter, 3/32" x 1"
13	73070029	1	ROD
	70911040	2	NUT, jam, 1/4" NF
14	73070032	1	ROD
	70911040	2	NUT, jam, 1/4" NF
15	73014549	2	BEARING
	70910986	2	NUT, jam, 7/16" NF
	70918946	2	LOCKNUT, 7/16" NF
16	73070031	1	LEVER, weld assy.
17	-----	1	PUMP ASSY. (see page 44a)



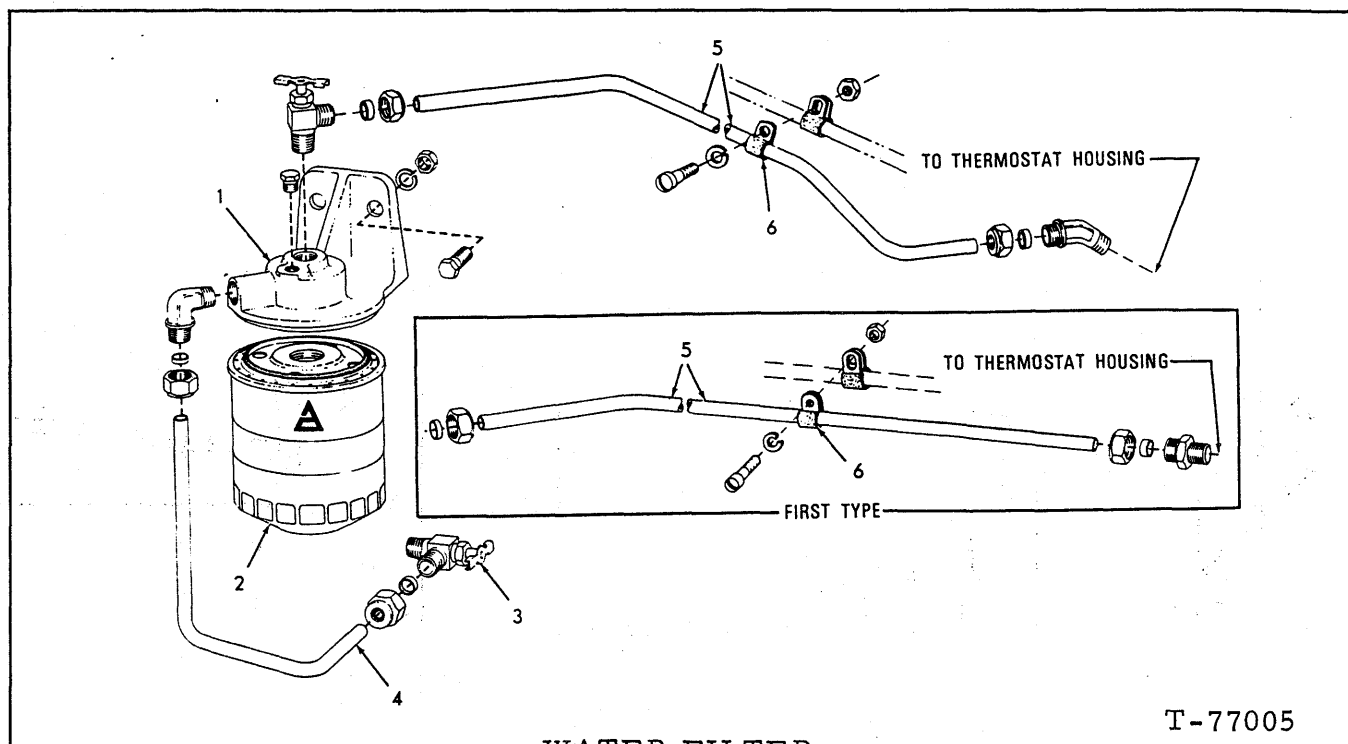
T-75698

### ENGINE SHUT-OFF CONTROL

USAGE: Used prior to loader s/n 21C, 10L06870 and 21S05425.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057472	1	CABLE ASSY., engine shut-off (Includes items 2 thru 5 and hardware indented below)
	73058945	3	WASHER, plain
	70912794	3	NUT, 3/8" NF
	70911327	1	NUT, jam, 1/4" NC
2	73058943	1	HANDLE
3	73059027	1	NUT
4	-----	1	CABLE, engine shut-off (Order item 1)
5	73058944	1	SEAL
6	74024089	1	BRACKET
7	{ 73059274	1	DECAL, engine start-run-stop (Used prior to unit no. 04972)
	{ 73067625	1	DECAL, engine fuel shut-off (Effective with unit no. 04972)



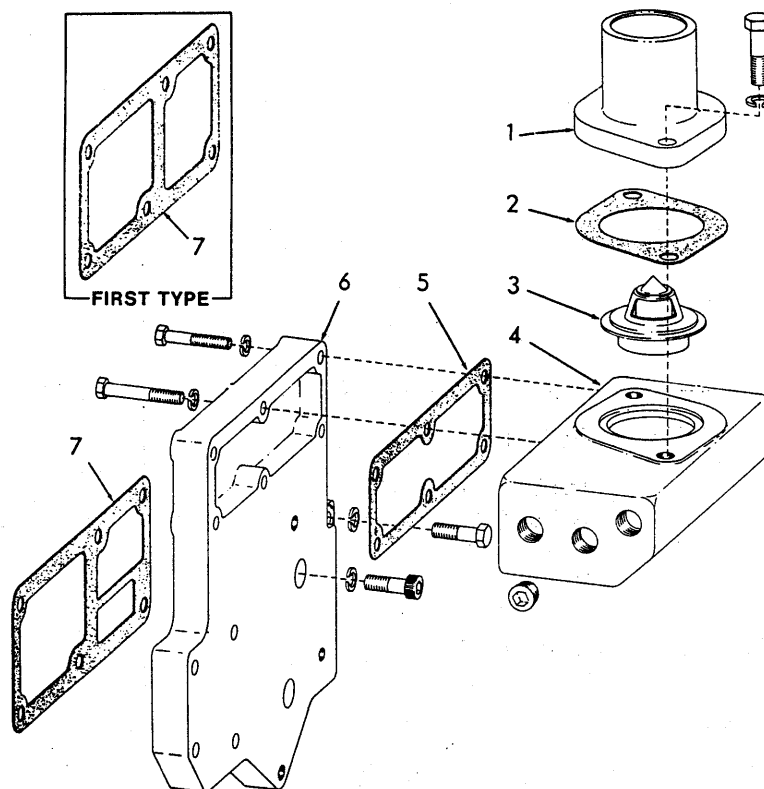


WATER FILTER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	74393427	1	BASE ASSY. (Includes insert)	
	70919134	1	PLUG, hex-hd., 1/8"NPT	
	70919224	2	CAPSCREW, 3/8"NC x 1-1/8"	
	70910287	2	LOCKWASHER, 3/8"	
	70910880	2	NUT, 3/8"NC	
2	74029089	1	*ELEMENT	
	74029120	1	+ELEMENT	
3	70928947	2	VALVE	
4	74024038	1	TUBE, inlet	
	70919005	1	ELBOW, 3/8" tube x 3/8"NPT	
	70917810	2	NUT, 3/8" tube	
	70917807	2	SLEEVE, 3/8" tube	
5	74024039	1	TUBE, outlet (First type)	Engines prior to 2D-16850
	70917948		CONNECTOR, 3/8" tube, 1/4"NPT (Includes Nut and Sleeve)	
	74008809	1	TUBE, outlet (Second type)	
	70926586	1	ELBOW, 45°, 3/8" tube, 1/4"NPT	Engines S/N 2D-16850 thru 49-12369
	70917810		NUT, 3/8" tube	
	70917807	2	SLEEVE, 3/8" tube	
	74009324	1	TUBE, outlet (Third type)	Engine S/N 49-12370 and up
	70920279	1	CONNECTOR, 3/8" tube 1/4"NPT male	
6	70926919	1	CLAMP, 1/4" tube	
	70930389	1	CLAMP, 3/8" tube	
	70912226	1	CAPSCREW, 1/4"NC x 5/8"	
	70919310	1	LOCKWASHER	
	70916622	1	NUT, 1/4"NC	

\*Original equipment recommended for use with plain water as well as most types of permanent and non-permanent antifreeze except "Dowtherm 209"

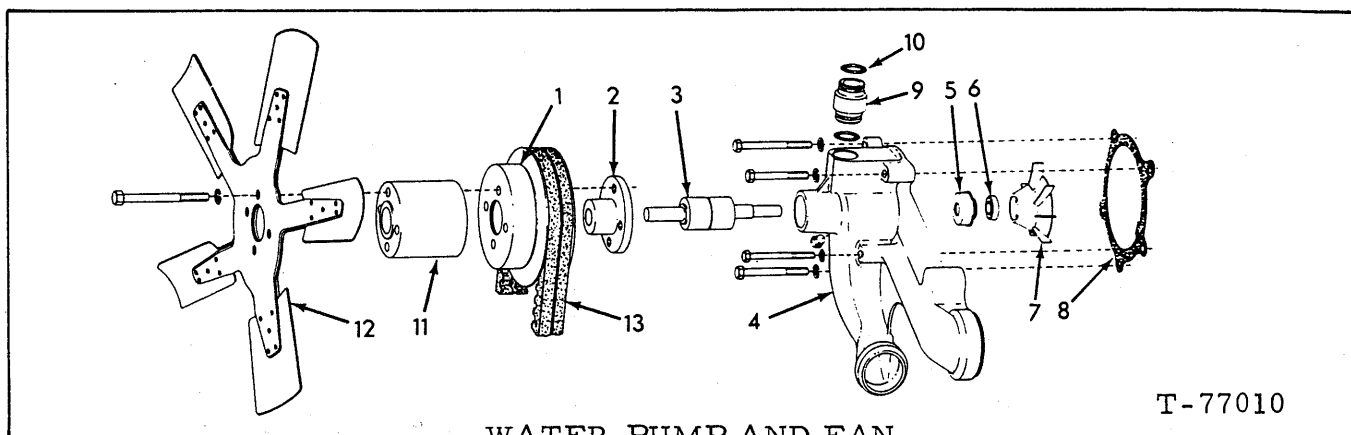
+Chromate type for use with "Dowtherm 209" antifreeze



T-77006

# THERMOSTAT AND HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	74023463	1	FLANGE, water outlet (Used prior to engine s/n 2D-79680)
	74006919	1	FLANGE, (Effective with engine s/n 2D-79680)
	70916197	2	CAPSCREW, 7/16" NC x 1-1/4"
	70904207	2	LOCKWASHER, 7/16"
2	74023554	1	□ GASKET
3	74516565	1	THERMOSTAT
4	74023502	1	HOUSING
	70916279	3	CAPSCREW, 5/16" NC x 1-1/2"
	70919785	2	CAPSCREW, 5/16" NC x 1-3/4"
	70904205	5	LOCKWASHER, 5/16"
	70920416	6	PLUG, pipe, skt.-hd., 1/2"NPT (1 less used on loaders equipped with WARNING SYSTEM)
	70916280	1	CAPSCREW, 5/16" NC x 2"
	74023504	1	□ GASKET
6	74023503	1	PLATE
	70912267	2	CAPSCREW, skt.-hd., 3/8" NC x 1"
	70919224	2	CAPSCREW, 3/8" NC x 1-1/8"
	70910287	4	LOCKWASHER, 3/8"
7	74023505	1	□ GASKET (Used prior to engine s/n 2D-88774)
	74008795	1	□ GASKET (Effective with engine s/n 2D-88774, also use with service replacement HEAD ASSY. 74006934)



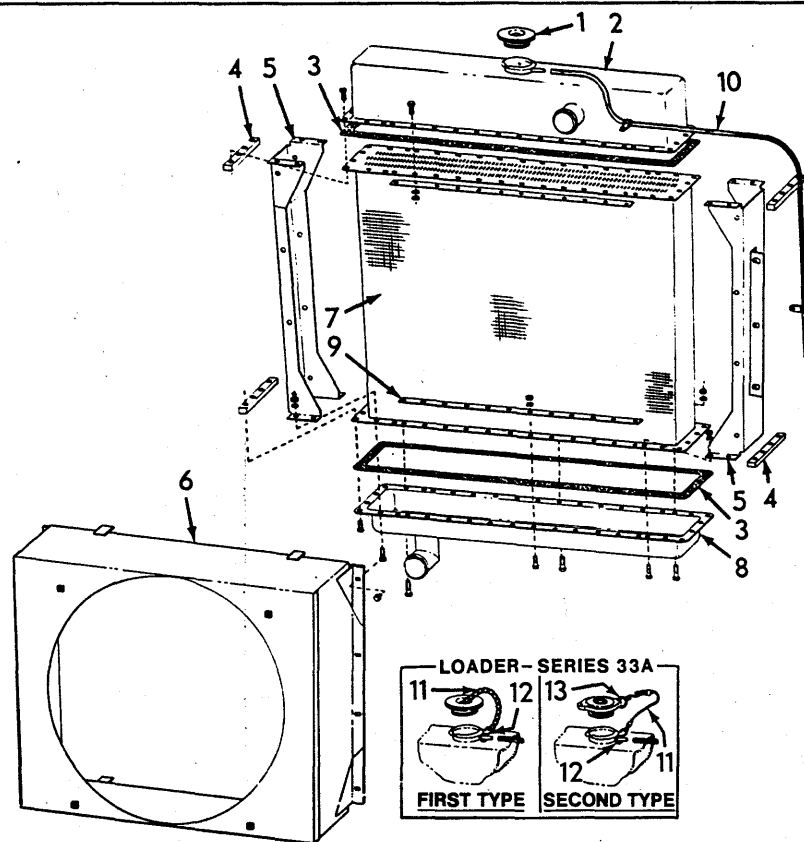
T-77010

# WATER PUMP AND FAN

## ITEM PART NO. QTY. DESCRIPTION

-	74007550	1	KIT, water pump (includes item 2 thru 5, 7, 8, and 10)
	70918397	1	CAPSCREW, 5/16"NC x 3"
	70912069	1	CAPSCREW, 3/8"NC x 2-1/2"
	70920275	1	CAPSCREW, 3/8"NC x 3" (Not for Loader series 33A)
	70919990	1	CAPSCREW, 3/8"NC x 2-3/4"(For Loader series 33A)
	70919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	70904205	1	LOCKWASHER, 5/16"
	70910287	4	LOCKWASHER, 3/8"
1	74025058	1	PULLEY
2	74025068	1	HUB (first type)
	74035849	1	HUB (Second type)
3	-----	1	SHAFT, BEARING AND SLINGER ASSY. (order item 14)
4	-----	1	BODY (order water pump KIT)
	70920416	1	PLUG, hex head, 1/2" NPT
5	74007234	1	SEAL
6	-----	1	SEAT, CERAMIC ( order item 5 and 7)
7	74007236	1	IMPELLER
8	74023480	1	GASKET
9	74023817	1	ADAPTER ( water pump to thermostat housing)
10	70923948	2	O-RING
11	74025641	1	SPACER (3.16" long)
12	73058372	1	FAN(5 blade)(pusher type)(Prior to S/N 21C07789. For service use 71005940)
	71005940	1	FAN(6 blade)(pusher type)(Effective S/N 21C07789)
	73058691	1	FAN(5 blade)(suction type-spec. equip.)
	70923639	4	CAPSCREW, 3/8" NF x 4"
	70913544	4	WASHER, plain, 3/8"
	70910287	4	LOCKWASHER, 3/8"
13	73046916	1	BELT SET(includes 2 matched belts)(Not for Loader series 33A)
	73073005	1	BELT SET(includes 2 matched belts)(For series 33A)
14	74007446	1	KIT, repair(inc. items 3.5.7.8.10 and items below)
	70923973	1	O-RING ( item 2, page 34)
	74023014	2	GASKET, pump to block
	74023015	1	GASKET
	74023505	1	GASKET ( item 7, page 59)

(Revised January 1981)

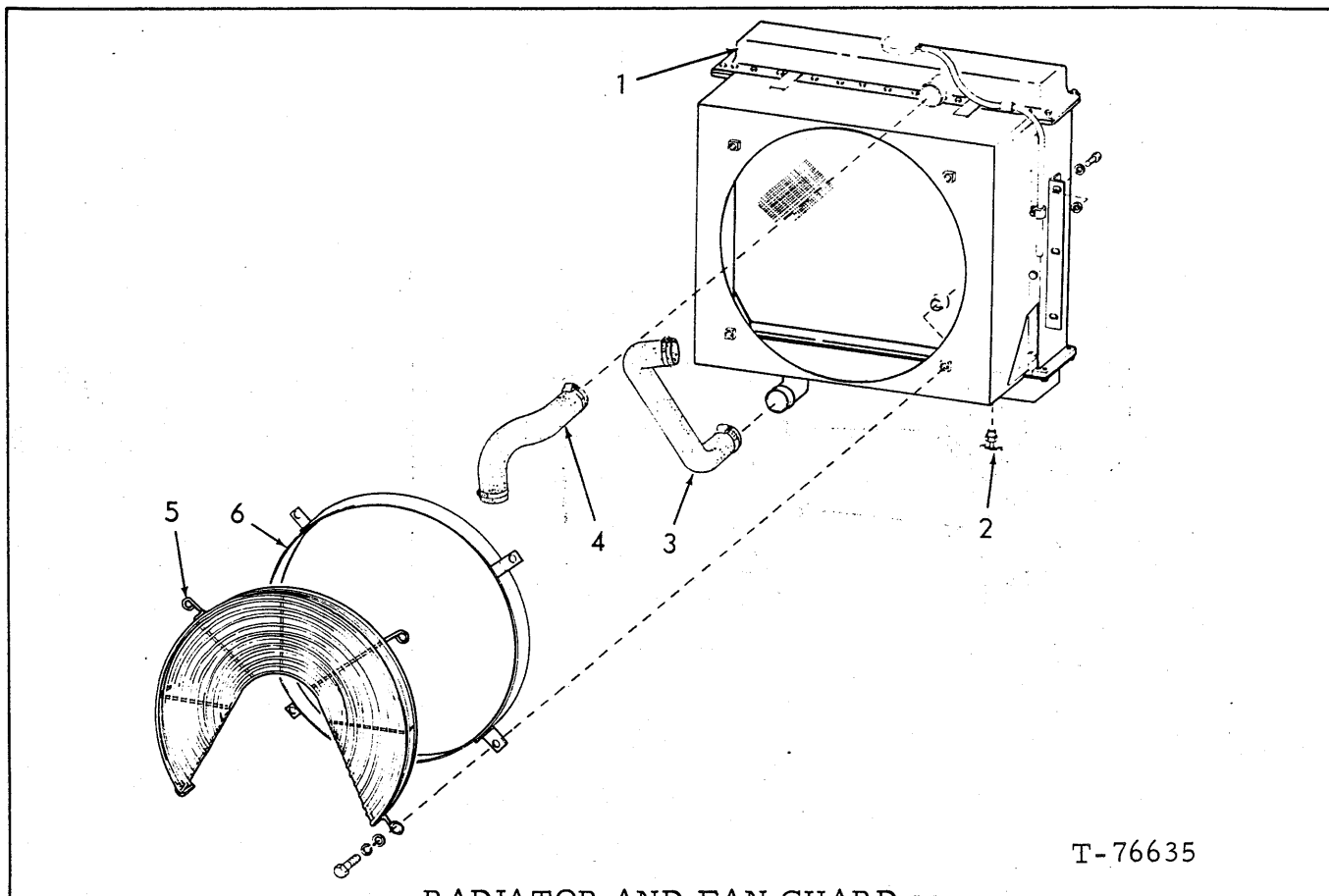


RADIATOR ASSEMBLY

T-76636

ITEM	PART NO.	QTY.	DESCRIPTION
-	73056813	1	RADIATOR ASSY. (Includes items 1 thru 10)
1	70087528	1	CAP (7 psi)(Not for Loader series 33A)
	73072784	1	CAP ASSY. (7 psi)(For Loader series 33A only)(First type)(Includes items 11 and 12)
	73077098	1	CAP ASSY. (7 psi)(For Loaders series 33A only)(Second type)(Includes items 11, 12 and 13)
2	73056845	1	TANK
	70915809	40	CAPSCREW, 5/16"NC x 3/4"
	70904205	32	LOCKWASHER, 5/16"
	70910323	32	NUT, 5/16"NC
3	73055850	2	GASKET
4	73056531	4	BAR
5	73056840	2	BRACKET
6	73056812	1	SHROUD
	70922902	8	CAPSCREW, self tapping
7	73056811	1	CORE (Standard. Staggered tubes)
	73062311	1	CORE (Optional. Canted tubes)
8	73056844	1	TANK
	70915809	37	CAPSCREW, 5/16"NC x 3/4"
	70915807	3	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	32	LOCKWASHER, 5/16"
	70910323	32	NUT, 5/16"NC
9	73056530	4	STRIP
10	73056852	1	TUBE
	70927978	2	CLAMP
11	73072775	1	CHAIN (First type Cap)
	73077096	1	CABLE (Second type Cap)
12	73072771	1	"S" HOOK
13	73072776	1	RING, key (Second type Cap)

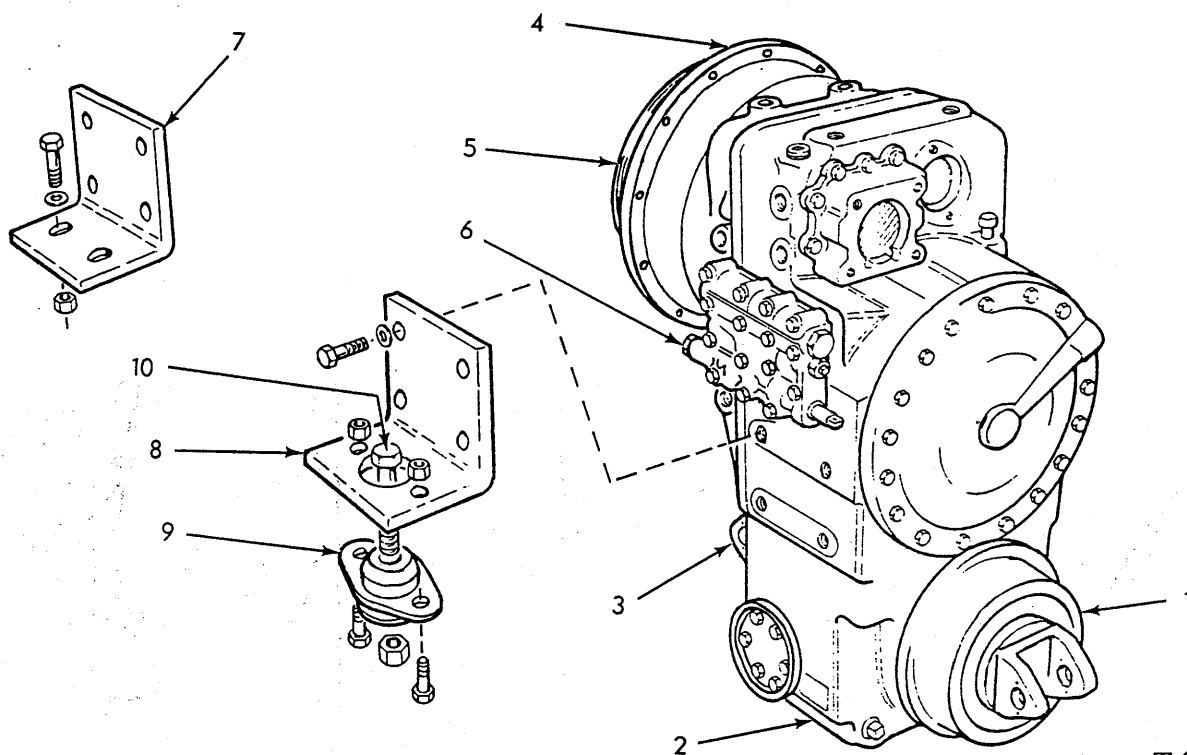
} For Loader  
series 33A  
only



RADIATOR AND FAN GUARD

ITEM	PART NO.	QTY.	DESCRIPTION
1	73056813	1	RADIATOR ASSY. (See page 61)
	70916271	6	CAPSCREW, 3/8"NC x 1"
	70910287	6	LOCKWASHER, 3/8"
	70911115	6	WASHER, plain, 3/8"
2	70912415	1	COCK, drain, 1/4"NPT
3	73057709	1	HOSE
	70921913	2	CLAMP (1-13/16" to 2-3/4")
4	73057710	1	HOSE
	70921913	2	CLAMP (1-13/16" to 2-3/4")
5	73072692	1	FAN GUARD
	70916272	4	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
	70911115	4	WASHER, PLAIN, SAE std., 3/8"
6	73058733	1	SHROUD ( Used with suction fan only- special eqiuptment.

(Revised September 1980)

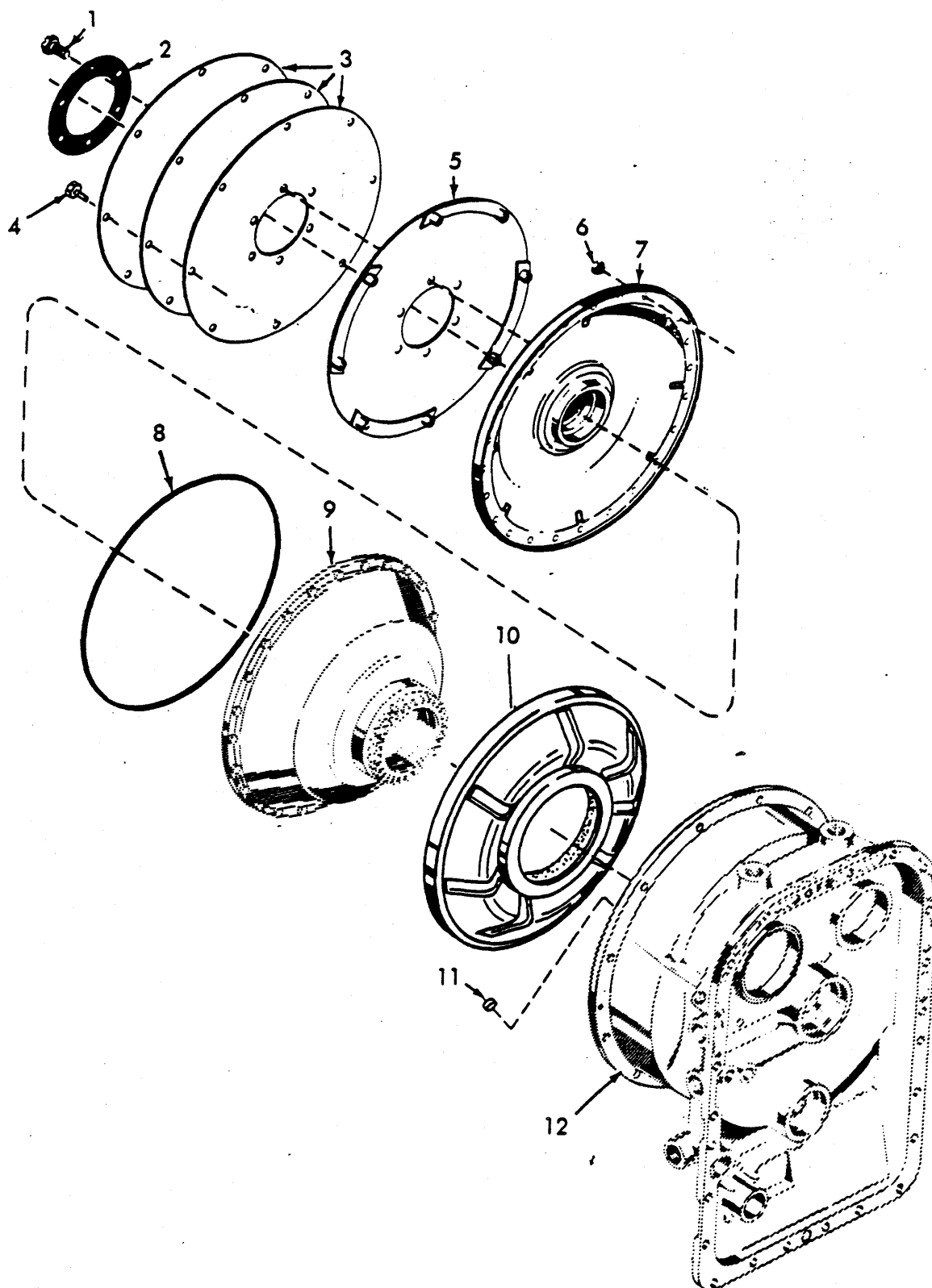


T-80489

# TRANSMISSION ASSEMBLY

USAGE: \* Loader series 21C, 10L, 33A  
 \*\* Loader series 21S

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
	73069223	1	1	TRANSMISSION ASSY., complete, std.
	73069224	1	1	TRANSMISSION ASSY., complete (2 speed forward, 1-reverse with rear axle disconnect) (Optional equipment)
	73069228	1	1	TRANSMISSION ASSY., complete (2 speed forward, 2-reverse, without rear axle disconnect) (Optional equipment)
	70916271	12	12	CAPSCREW, 3/8" NC x 1" (Flywheel housing to tran.)
	70910287	12	12	LOCKWASHER, 3/8"
	70913828	8	8	CAPSCREW, 5/8" NC x 1-1/2"
	70912942	8	8	LOCKWASHER, 5/8"
1	-----	-	-	PARKING BRAKE ASSY. (See page 120)
2	-----	-	-	TRANSMISSION HOUSING & COVERS (See page 71)
3	-----	-	-	REAR OUTPUT GROUP (See page 84)
4	-----	-	-	TORQUE CONVERTER HOUSING (See page 68)
5	-----	-	-	FLEX DISK AND CONVERTER DRIVE (See page 64)
6	-----	-	-	TRANSMISSION CONTROL VALVE (See page 91)
7	73042894	2	-	PLATE
	70921177	4	-	CAPSCREW, 5/8" NC x 2-1/4"
	70677010	4	-	WASHER
	70916589	4	-	LOCKNUT, 5/8" NF
8	73063351	-	2	PLATE
	70913828	-	8	CAPSCREW, 5/8" NC x 1-1/2"
	70904209	-	8	LOCKWASHER, 5/8"
9	73063249	-	2	ISOLATOR
	70916272	-	4	CAPSCREW, 3/8" NC x 1-1/4"
	70900367	-	4	NUT, 3/8" NC
10	70916264	-	2	CAPSCREW, 5/8" NC x 4"
	70915256	-	2	LOCKNUT, 5/8" NC



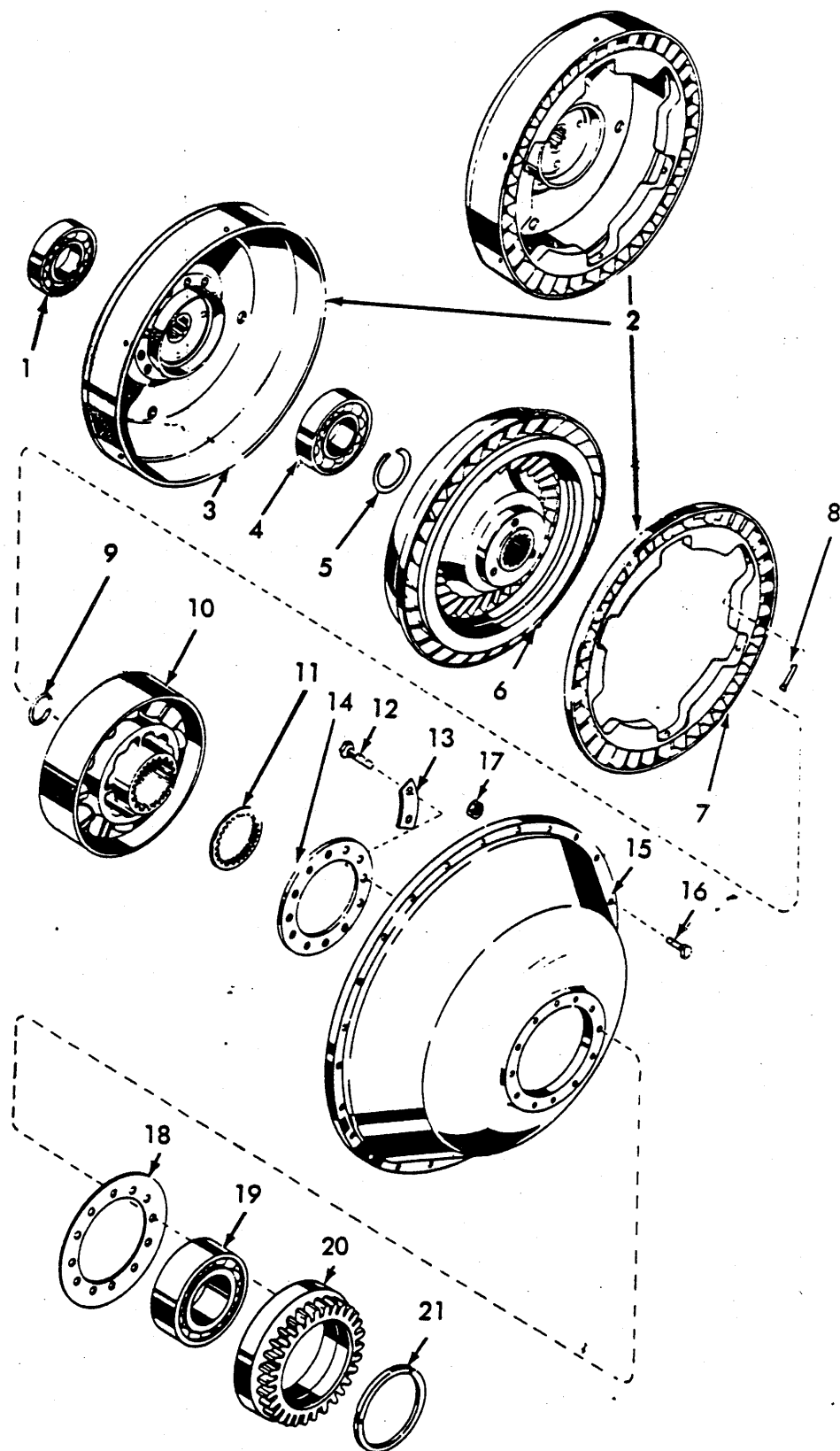
T-70694A

# FLEX DISK AND CONVERTER DRIVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	73044495	6	CAPSCREW, 1/2" NC x 7/8"
2	73041453	1	PLATE
3	73041454	3	DISK
4	73041448	8	BOLT, place (flywheel to disk assy.)
5	73042762	1	DISK ASSY. (Includes washer)
6	-----	-	NUT (See page 66)
7	73041459	1	COVER
8	73027012	1	<input type="checkbox"/> RING
9	-----	-	CONVERTER (See page 66)
10	73051197	1	<input type="checkbox"/> DIAPHRAGM ASSY., converter (Includes seal)
11	73021158	1	PLUG
12	-----	-	HOUSING (See page 68)

☐ (Also see page 8)



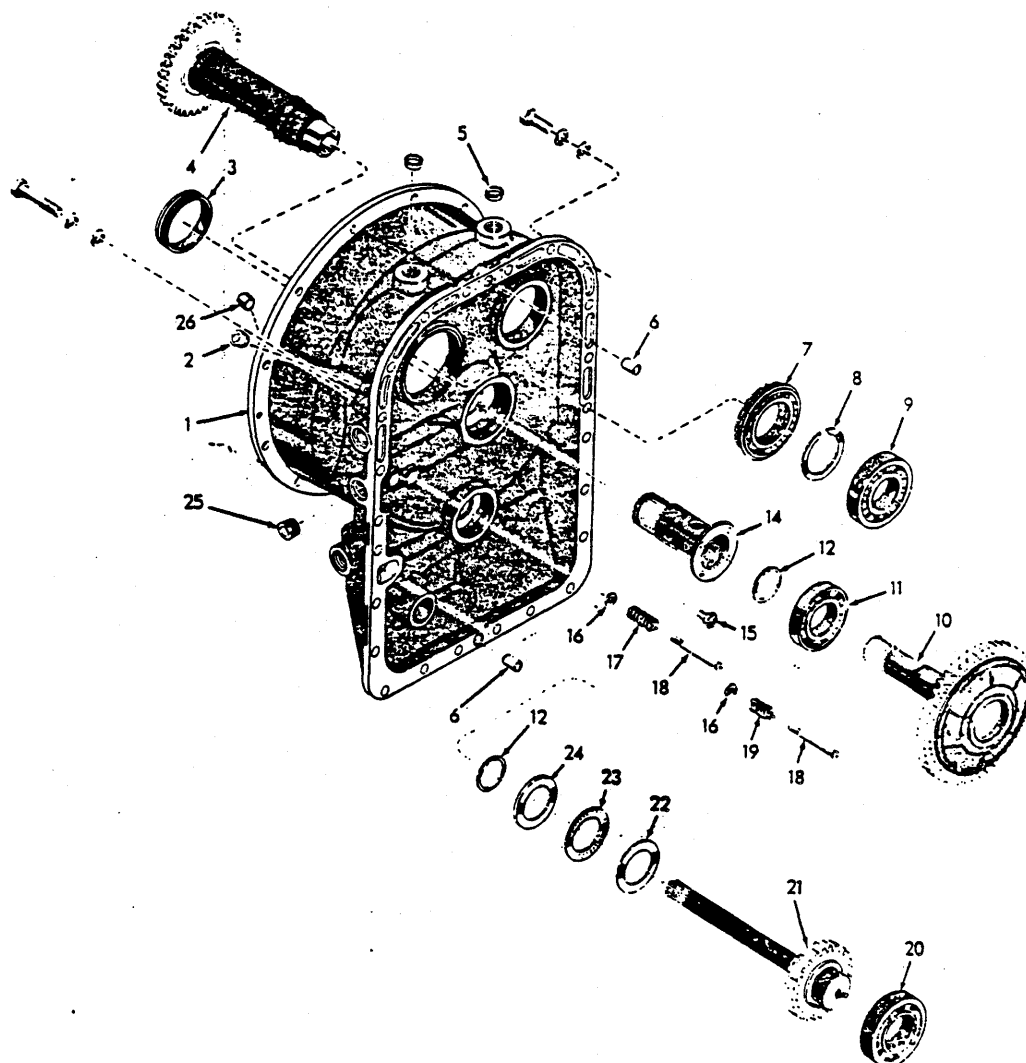


T-70695A

# TORQUE CONVERTER

# TORQUE CONVERTER

ITEM	PART NO.	QTY.	DESCRIPTION
1	73007501	1	BEARING (Single row ball)
2	73046006	1	TURBINE ASSY., first(Includes items 3, 7 and 8)
3	-----	1	HOUSING (Order item 2)
4	73068364	1	BEARING (Single row ball)
5	73050550	1	RING, snap
6	73058837	1	TURBINE(Used prior to transmission s/n 95321)
	73071483	1	TURBINE(Effective with transmission s/n 95321)
7	-----	1	TURBINE (Order item 2)
8	73046027	9	PIN
9	73044374	1	RING, snap
10	73046009	1	STATOR
11	73044376	1	SPACER
12	73076676	12	CAPSCREW, 1/4" NF x 1-1/4"
13	73044377	6	<input type="checkbox"/> STRIP
14	73044378	1	RETAINER
15	73058836	1	PUMP ASSY. (Includes item 16)
16	73033044	24	CAPSCREW, 5/16" NF x 1-3/8"
17	73021041	24	NUT, 5/16" NF
18	73054475	1	<input type="checkbox"/> GASKET
19	73044380	1	BEARING (Double row ball)
20	73058774	1	GEAR
21	73044382	1	<input type="checkbox"/> RING



T-70696

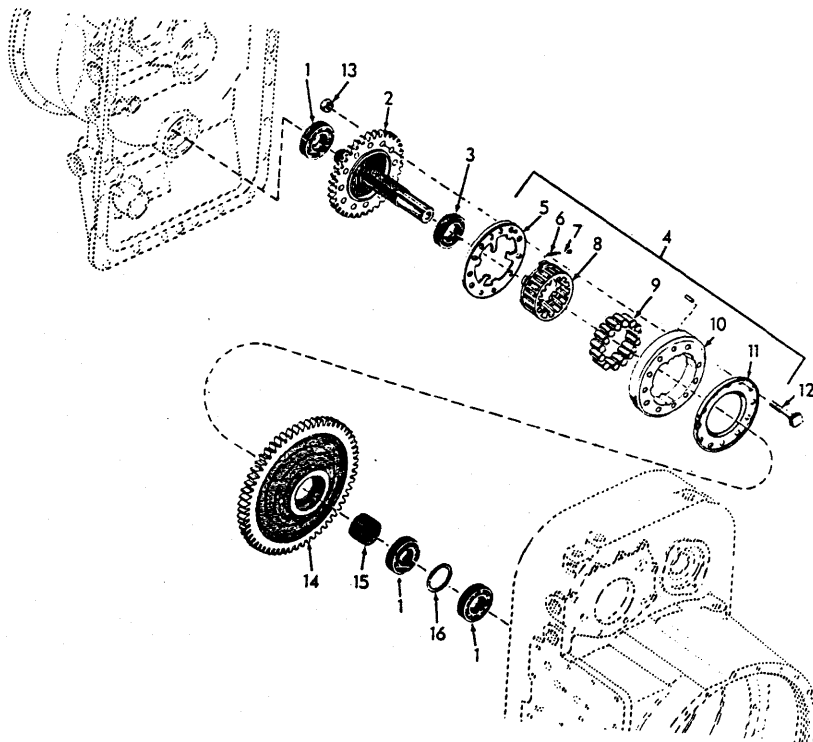
# TORQUE CONVERTER HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058775	1	HOUSING ASSY. (Includes items 2, 3, 5, 6 and 25)
	70920649	23	CAPSCREW, 7/16" NC x 1-3/8"
	70916866	1	CAPSCREW, 7/16" NC x 2-3/4"
	70912298	24	WASHER, plain, SAE std., 7/16"
	70914678	24	LOCKWASHER, 7/16"
2	70924085	1	PLUG
3	73044433	1	SLEEVE
4	73044417	1	GEAR
5	73044435	2	PLUG (Not required for this application)
6	73044436	2	PIN

(Continued)

# TORQUE CONVERTER HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	73044418	1	BEARING (Single row ball)
8	73021055	1	RING, snap
9	73055228	1	BEARING, roller
10	73065176	1	GEAR (Replaces 73057663 GEAR)
11	73076673	1	BEARING (Single row ball)
12	73044422	2	<input type="checkbox"/> RING, seal
14	73044420	1	SLEEVE
15	73044508	4	CAPSCREW, 5/16" NC x 3/4"
16	73044430	2	VALVE (converter regulator)
17	73069440	1	SPRING (converter regulator)
18	73044449	2	PIN
19	73044429	1	SPRING
20	73044373	1	BEARING (Single row ball)
21	73044428	1	GEAR
22	73044427	1	RACE
23	73044426	1	BEARING
24	73044425	1	RACE
25	73044437	1	PLUG, pipe, 3/4" NPT
26	-----	1	PLUG, coverter drain (See page 64)

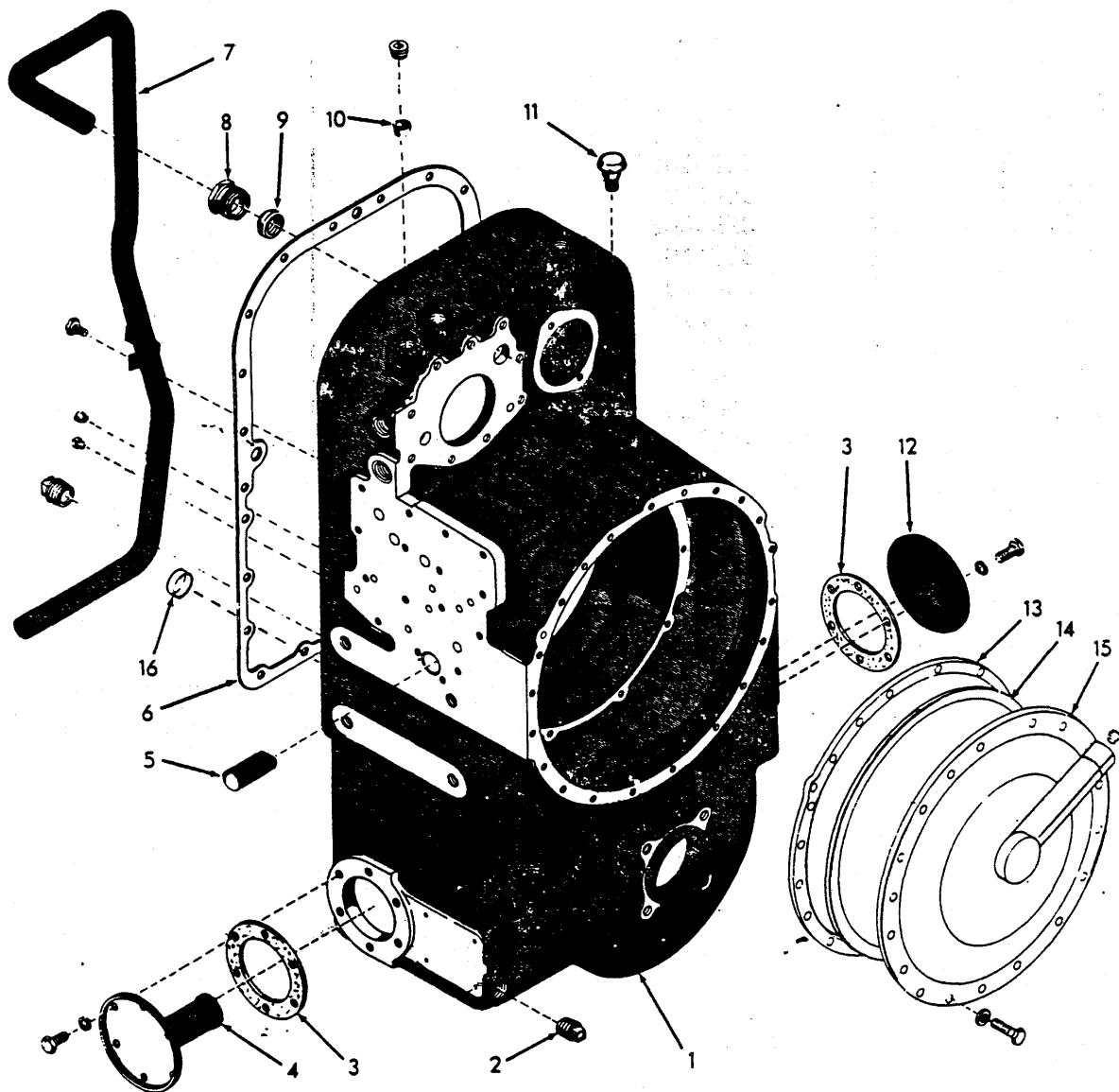


T-70697

# TURBINE DRIVEN GEARS AND FREEWHEEL UNIT

ITEM	PART NO.	QTY.	DESCRIPTION
1	70058974	3	BEARING (Single row ball)
2	73046510	1	GEAR
3	73044440	1	BEARING (Single row ball)
4	73075768	1	CLUTCH KIT, freewheel (Consists of items 5 thru 11 and 14)
5	.....	1	PLATE
6	.....	3	SPRING
7	.....	3	PIN
8	.....	1	CAGE
9	.....	15	ROLLER
10	.....	1	CAM
11	.....	1	PLATE
12	73075615	12	BOLT, 3/8" NF x 3"
13	73044438	12	LOCKNUT, 3/8"NF
14	73075451	1	GEAR
15	73075452	1	SPACER
16	73044451	1	SPACER

Order item 4



T-70698

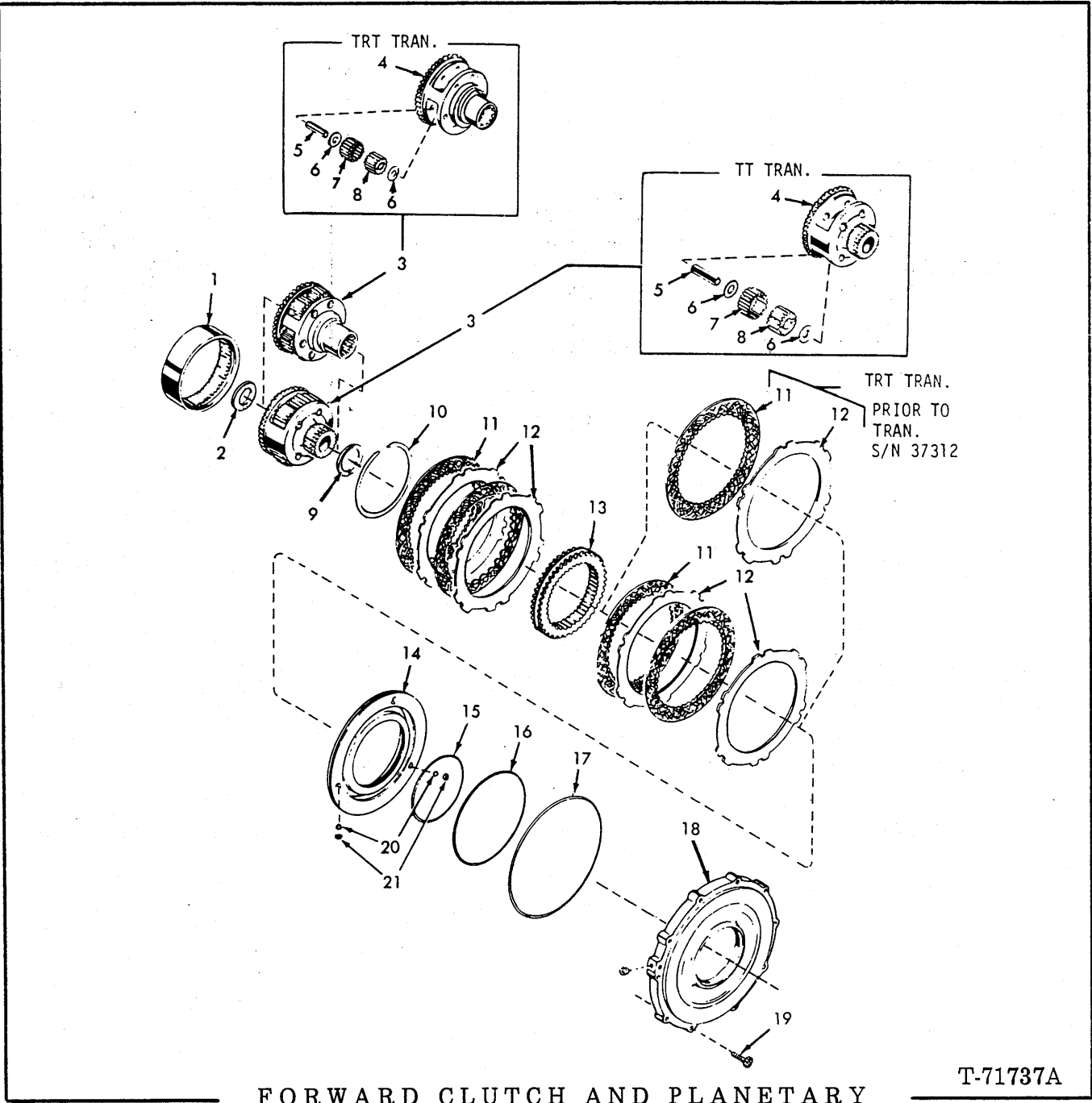
# TRANSMISSION HOUSING AND COVERS

ITEM	PART NO.	QTY.	DESCRIPTION
1	73068390	1	HOUSING (Transmission with 2-speed forward, 1-reverse with rear axle disconnect)(Also order items 10 and 16)(Replaces 73058802)
	73068401	1	HOUSING, transmission (Transmission with 2-speed forward, 2-reverse)(Replaces 73058830)
	70921500	1	PLUG, 1-1/4" NPT (oil filler)
	70919840	2	PLUG, hex.-hd., 1/8" NPT

(Continued)

# TRANSMISSION HOUSING AND COVERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	70920133	1	PLUG
3	73067517	2	<input type="checkbox"/> GASKET
4	73044396	1	STRAINER ASSY. (Serviced only as a unit)
	70916269	6	CAPSCREW, 3/8" NC x 7/8"
	70910287	6	LOCKWASHER, 3/8"
5	73044397	1	PIN
6	73044390	1	<input type="checkbox"/> GASKET
7	73055223	1	TUBE
	73044388	1	CAPSCREW, 3/8" NC x 5/8"
8	73044399	1	NUT
9	73044400	1	<input type="checkbox"/> RING
10	73044391	1	PLUG
	73076671	1	PLUG, 3/4" NPT
11	73021062	1	BREATHER
12	73044394	1	COVER
	70916269	6	CAPSCREW, 3/8" NC x 7/8"
	70910287	6	LOCKWASHER, 3/8"
13	73044410	1	<input type="checkbox"/> GASKET
14	73044411	1	<input type="checkbox"/> RING
15	73071170	1	COVER
	73034218	1	PLUG, pipe, ctsk., 1/8" NPT
	70919224	19	CAPSCREW, 3/8" NC x 1-1/8"
	70910287	19	LOCKWASHER, 3/8"
16	73021091	1	CAP (Used on transmissions without rear axle disconnect)



FORWARD CLUTCH AND PLANETARY

T-71737A

USAGE: \*Transmission with 2-speed forward, 1-reverse  
 \*\*Optional transmission with 2-speed forward, 2-reverse

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	73021104	1	1	GEAR	
2	73045281	-	1	WASHER	
3	{ 73044359	1	-	CARRIER ASSY.	(Includes items 4 thru 8)
	{ 73045279	-	1	CARRIER ASSY.	
4	{ -----	1	-	CARRIER	order item 3
	{ -----	-	1	CARRIER	

(Continued)

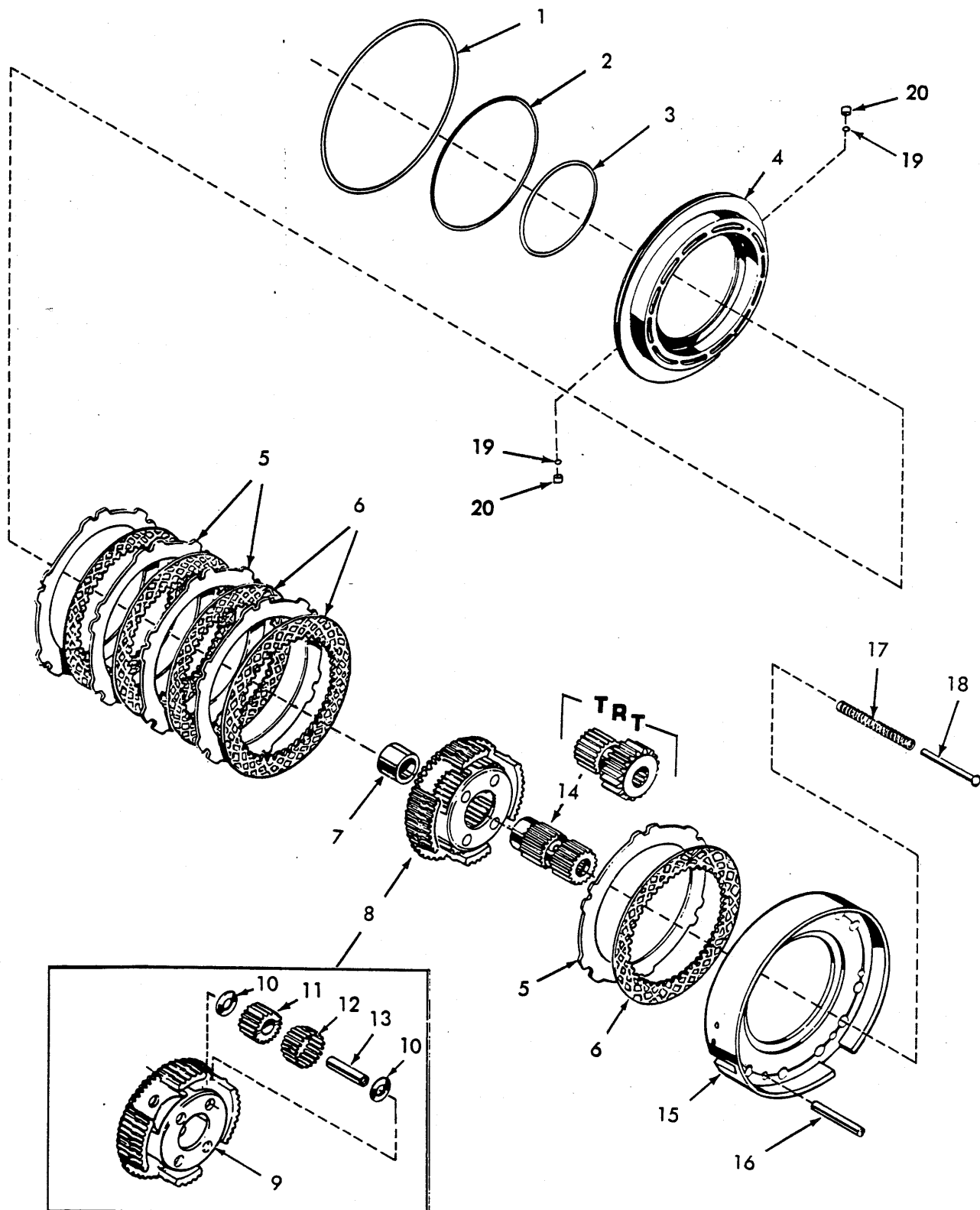


## FORWARD CLUTCH AND PLANETARY (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
5	73021097	4	-	PIN
	73021072	-	6	PIN
6	73021092	8	-	WASHER
	73021073	-	12	WASHER
7	73021051	88	-	ROLLER
	73021074	-	120	ROLLER
8	73041696	1	-	PINION SET, (Consists of 4 pinions)
	73021250	-	1	PINION SET, (Consists of 4 pinions)
9	73045282	-	1	WASHER
10	73021079	1	-	RING
11	73058783	4	4	PLATE, internal splined (3 used prior to transmission serial no. 37312 for TRT only)
12	73058782	4	4	PLATE, external splined (3 used prior to transmission serial no. 37312 for TRT only)
13	73069194	1	1	GEAR (Effective with transmission serial no. 37312 for TRT only)
	73057630	-	1	GEAR (Used prior to transmission serial no. 37312)
14	73058789	1	1	PISTON ASSY. (Includes items 20 and 21)(Effective with transmission serial no. 37312 for TRT only)(Used prior to transmission serial no. 106046)
	73074033	1	1	PISTON ASSY. (Includes items 20 and 21)(Effective with transmission serial no. 106046)
	73058781	-	1	PISTON ASSY. (Includes items 20 and 21)(Used prior to transmission serial no. 37312)
15	73058793	1	1	□ RING, seal (6-3/4" dia.)
16	73058791	1	1	□ RING, seal (9-1/4" dia.)
17	73058792	1	1	□ RING, seal (11-3/4" dia.)
18	73058790	1	1	HOUSING
19	73046017	10	10	CAPSCREW
	70917717	1	1	PLUG, hex-skt., 1/4"
20	-----	2	2	BALL
21	-----	2	2	RETAINER
22	73069336	1	1	KIT (includes item 20, 21 and instruction sheet)

} order item 14 or 22

MEMO

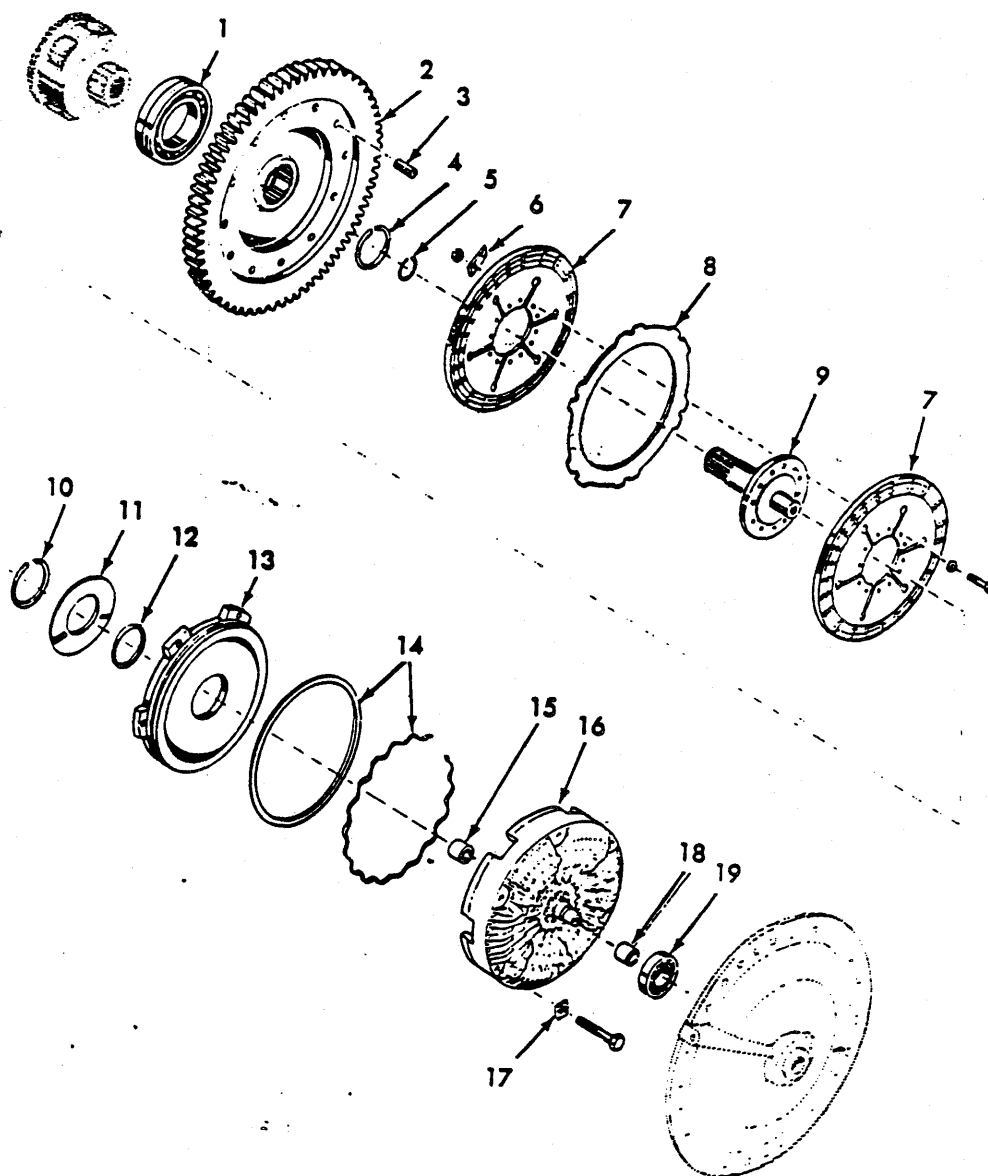


T-76649

# REVERSE CLUTCH AND PLANETARY

USAGE: \*Transmission with 2-speed forward, 1-reverse  
 \*\*Optional transmission with 2-speed forward, 2-reverse

ITEM	PART NO.	QTY. * **	DESCRIPTION
1	73058792	1 1	□ RING
2	73058791	1 1	□ RING
3	73058793	1 1	□ RING
4	73058781	1 1	PISTON ASSY.(Includes item 19 and 20)(Used prior to transmission serial no. 106708)
	73074032	1 1	PISTON ASSY.(Includes item 19 and 20)(Effective with transmission serial no. 106708)
5	73058782	5 5	PLATE
6	73058783	5 5	PLATE
7	73045458	- 1	SPACER
8	73057409	1 1	CARRIER ASSY. (Includes items 9 thru 13) (Replaces 73058784)
9	-----	1 1	CARRIER (Order item 8)
10	73021092	8 8	WASHER
11	73041696	1 1	PINION SET (Consists of 4 pinions)
12	73021051	88 88	ROLLER
13	73021097	4 4	PIN
14	{ 73046015	1 -	GEAR
	{ 73021096	- 1	GEAR
	{ 73058786	1 1	ANCHOR ASSY. (Includes item 16) (Effective with transmission serial no. 37312 on TRT only)
15	{ 73046547	- 1	ANCHOR ASSY. (Includes item 16) (Used prior to transmission serial no. 37312)
16	73046960	6 6	PIN
17	73041678	12 12	SPRING
18	73044367	12 12	PIN
19	-----	2 2	BALL
20	-----	2 2	RETAINER
21	73069336	1 1	KIT (includes item 19, 20 and instruction sheet)



T-73173A

# HIGH RANGE CLUTCH AND TRANSFER DRIVE GROUP

USAGE: Transmission with 2-speed forward, 1-reverse.

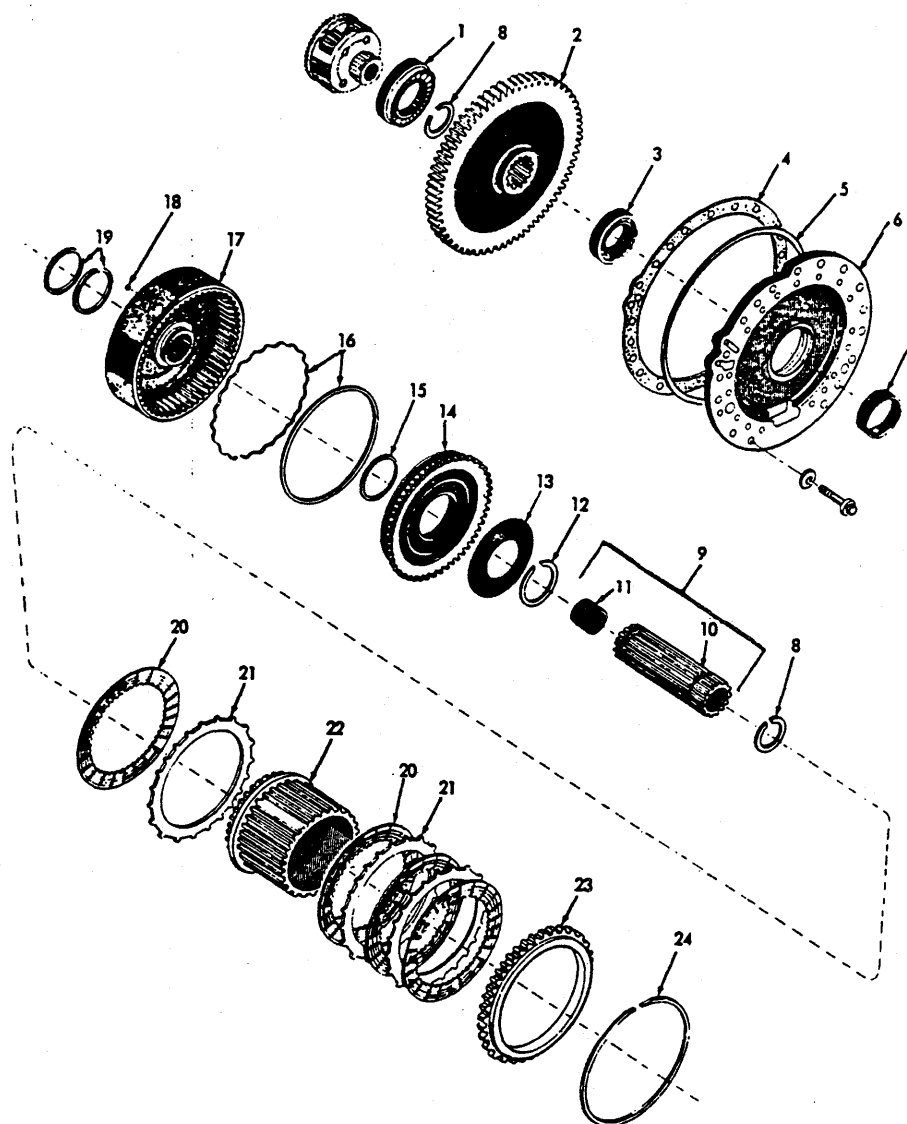
ITEM	PART NO.	QTY.	DESCRIPTION
1	73044513	1	BEARING
2	73055221	1	GEAR ASSY. (Includes item 3)
3	73044404	6	PIN
4	73021055	1	RING, snap
5	73035711	1	RING, snap
6	73046029	6	□ STRIP
7	73046030	2	PLATE

(Continued)

## HIGH RANGE CLUTCH AND TRANSFER DRIVE GROUP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	73058782	1	PLATE
9	73046031	1	HUB
	73047737	12	CAPSCREW
	73046032	12	WASHER
	70910233	12	NUT, 5/16"
10	73035719	1	RING, snap
11	73035739	1	SPRING
12	73035714	1	RING, seal
13	73050555	1	PISTON (Used prior to transmission S/N 116147)
	73076472	1	PISTON (Effective with transmission S/N 116147 and up)
14	73042151	1	□KIT, seal and expander (Used prior to transmission S/N 116147)
	73076675	1	SEAL (Effective with transmission S/N 116147 and up)
15	73046034	1	BUSHING
16	73057813	1	HOUSING ASSY. (Includes items 15 and 18)
	70916422	6	CAPSCREW, 1/2"NF x 2-3/4"
17	73044460	6	□LOCK, tab
18	73057815	1	SLEEVE
19	73044383	1	BEARING

(Revised June 1984)



T-71560

# LOW RANGE CLUTCH AND TRANSFER DRIVE GROUP

USAGE: Optional transmission with 2-speed forward, 2-reverse.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73044513	1	BEARING (Single row ball)
2	73045283	1	GEAR
3	73045284	1	BEARING (Single row ball)
4	73076470	1	<input type="checkbox"/> GASKET
5	73044411	1	<input type="checkbox"/> RING, seal.
6	73045286	1	ADAPTER ASSY. (Includes item 7)
	70919224	17	CAPSCREW, 3/8" NC x 1-1/8"
	70910287	17	LOCKWASHER, 3/8"
7	73045303	1	SLEEVE

(Continued)

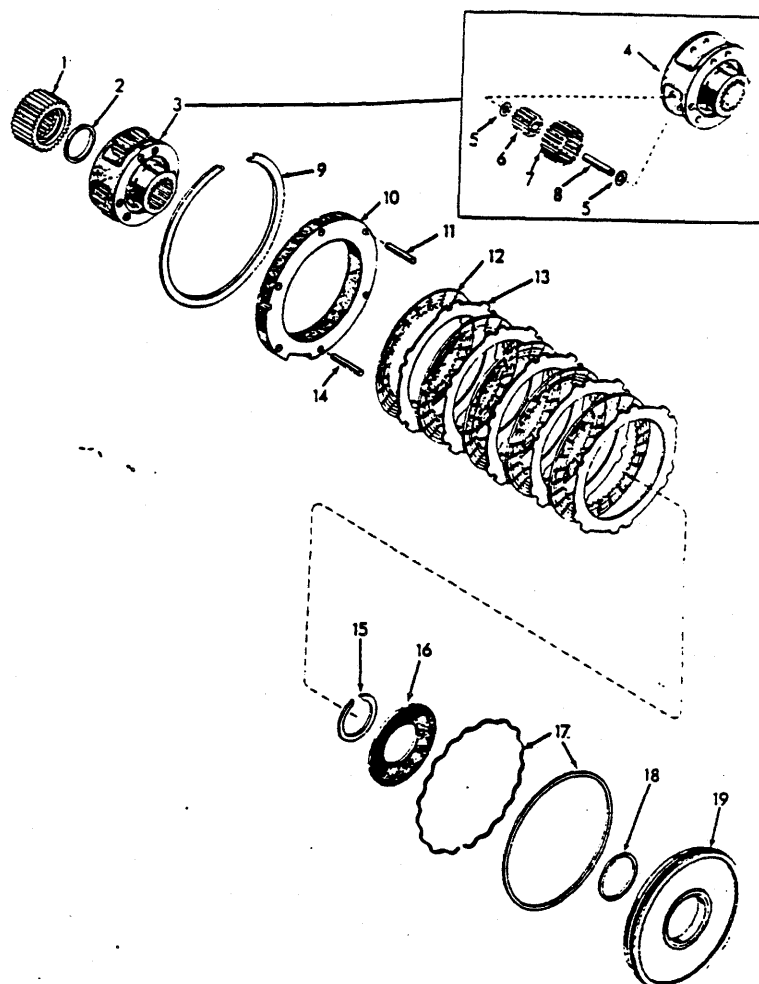
(Revised June 1984)

# LOW RANGE CLUTCH AND TRANSFER DRIVE GEAR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	73045299	2	RING, snap
9	73045294	1	SLEEVE ASSY. (Includes items 10 and 11)
10	-----	1	SLEEVE (Order item 9)
11	73045295	1	BUSHING
12	73021057	1	RING, snap
13	73021186	1	SPRING (Belleville)
14	73021212	1	PISTON
15	73021121	1	RING, seal
16	73042147	1	KIT, seal and expander
17	73045290	1	HOUSING ASSY. (Includes item 18)
18	73045304	4	PIN
19	73045289	2	<input type="checkbox"/> RING, seal
20	73058783	4	PLATE
21	73056895	3	PLATE
22	73057109	1	GEAR
23	73045302	1	PLATE
24	73021124	1	RING, snap

☐ (Also see page 8)





T-71561

# HIGH RANGE CLUTCH

USAGE: Optional transmission with 2-speed forward, 2-reverse.

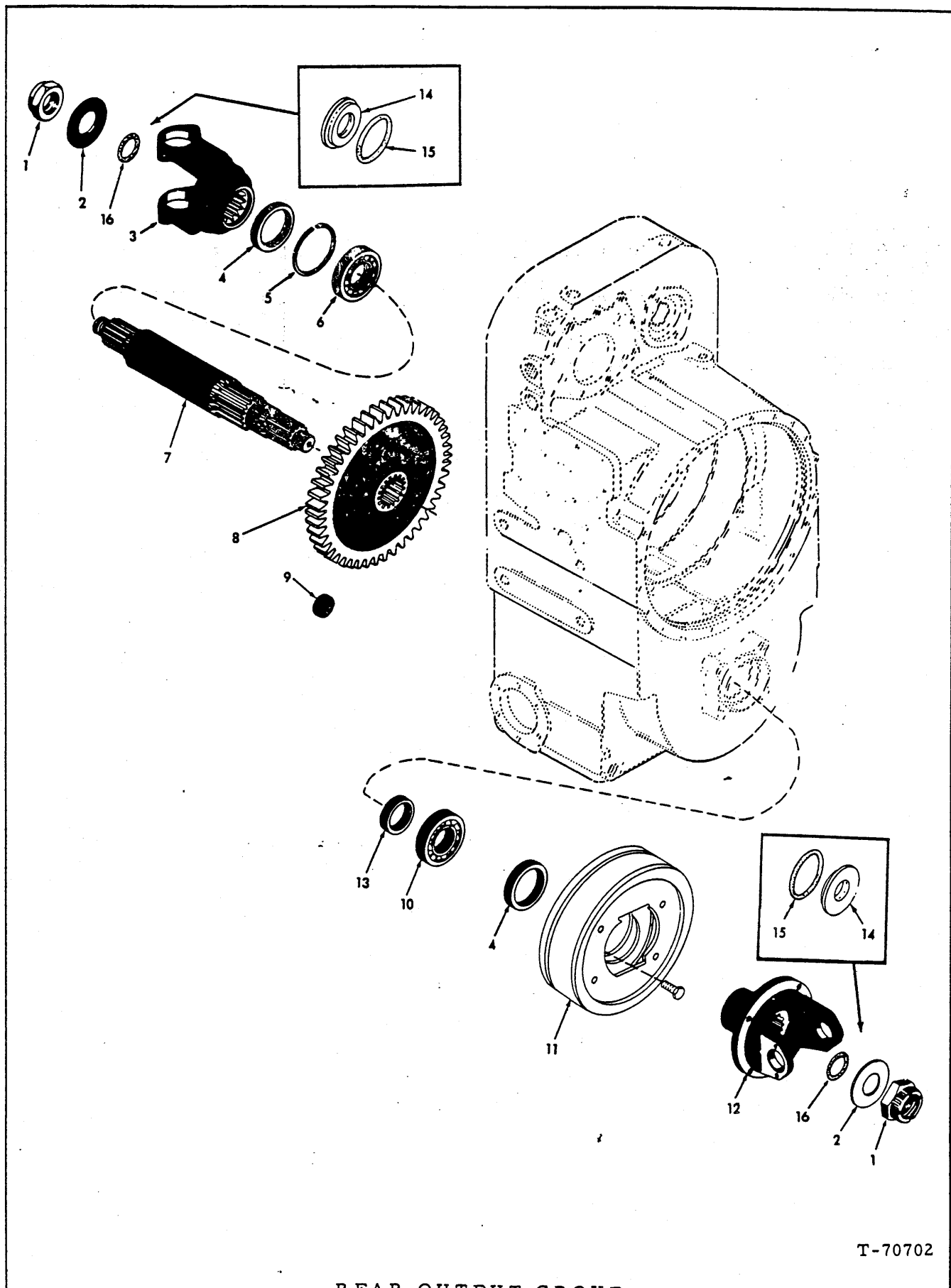
ITEM	PART NO.	QTY.	DESCRIPTION
1	73045306	1	GEAR ASSY., clutch (Includes item 2)
2	73045316	1	WASHER
3	73033075	1	CARRIER ASSY. (Includes items 4 thru 8)
4	-----	1	CARRIER (Order item 3)
5	73033076	12	WASHER
6	73033077	1	PINION SET (Consists of 6 pinions)
7	73021051	96	ROLLER
8	73033078	6	PIN
9	73045311	1	RING, snap
10	73045312	1	ANCHOR ASSY. (Includes items 11 and 14)
11	73045317	4	PIN (2.35" long)

(Continued)

# HIGH RANGE CLUTCH (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	73058783	5	PLATE
13	73058782	5	PLATE
14	73045318	2	PIN (2.53" long)
15	73021057	1	RING, snap
16	73021186	1	SPRING (Belleville)
17	73045313	1	<input type="checkbox"/> KIT, seal and expander
18	73021121	1	<input type="checkbox"/> RING, seal
19	73045314	1	PISTON

☐ (Also see page 8)



T-70702

REAR OUTPUT GROUP

# REAR OUTPUT GROUP

ITEM PART NO. QTY. DESCRIPTION

1	73044414	2	□NUT
2	73044416	2	WASHER, yoke (Order items 14 and 15 for service replacement prior to transmission serial No. 53291)
3	73044369	1	YOKE, output, rear (Used prior to transmission s/n 53291)
	73063083	1	YOKE, output, rear (Effective with transmission s/n 53291) *
	73063067	1	YOKE, output, rear (Service replacement prior to transmission s/n 53291)
4	73044462	2	□SEAL
5	73044463	1	RING, snap
6	73065780	1	BEARING (Replaces 73044464)
7	73044467	1	SHAFT (First type)(For service replacement prior to transmission s/n 53291, order SHAFT 73063019 and item 16)
	73076677	1	SHAFT (Second type)(Effective with transmission s/n 53291) *
8	73044465	1	GEAR
9	-----	1	PLUG (Not required for this application)
10	73044466	1	BEARING (Single row ball)
11	73044363	1	BRAKE ASSY., parking (Transmission with 2-speed forward, 1-reverse)(See page 118)
	73045338	1	BRAKE ASSY., parking (Transmission with 2-speed forward, 2-reverse)(See page 118)
	73044506	4	CAPSCREW, 3/8" NF x 5/8" (Drum Mounting)
	73044495	4	CAPSCREW, 1/2" NC x 7/8" (Brake Mounting)
12	73046005	1	YOKE, output, front (First type)(For service replacement prior to transmission s/n 53291, order YOKE 73063020)
	73063020	1	YOKE, output, front (Second type)(Effective with transmission s/n 53291)
13	73045264	1	SPACER
14	73061738	2	WASHER
15	73061739	2	O-RING
16	73063023	2	SEAL (Effective with transmission s/n 53291) *

See item 2

\*NOTE: 73063083 YOKE must only be used with  
73063019 SHAFT



# REAR AXLE DISCONNECT

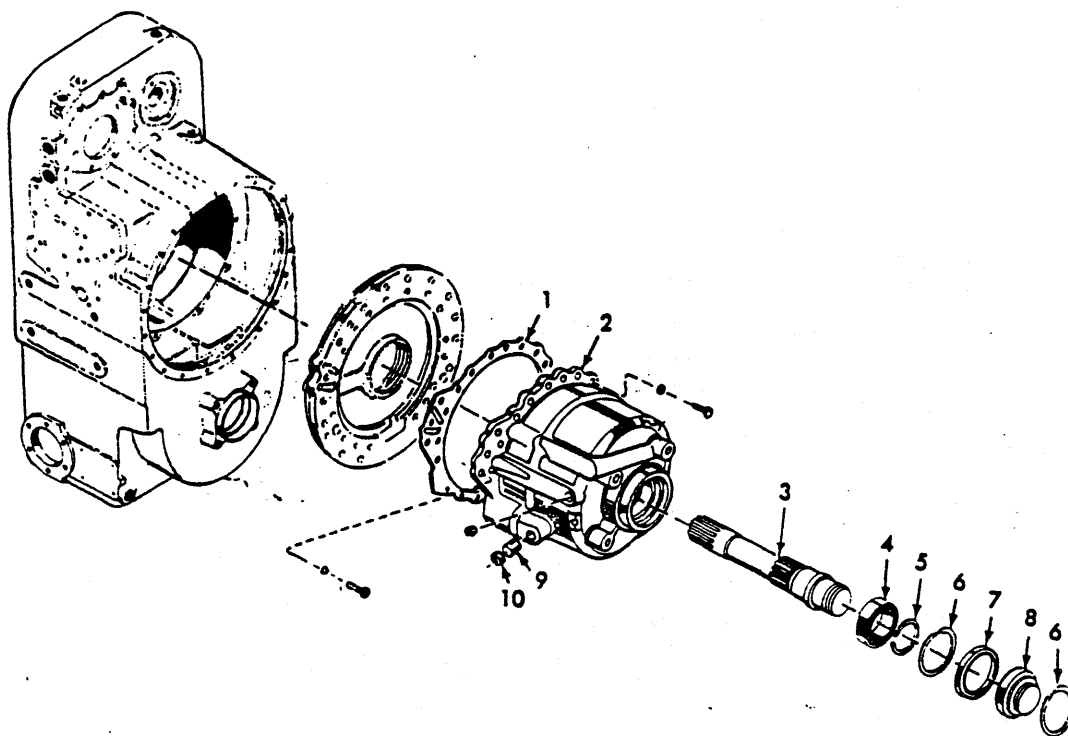
USAGE: For Optional Transmission

ITEM PART NO. QTY. DESCRIPTION

1	73065780	3	BEARING (Replaces 73044464)
2	73045264	2	SPACER
3	73044465	1	GEAR
4	73044462	2	<input type="checkbox"/> SEAL
5	73044463	2	RING, snap
6	73045261	1	SHAFT, output (First type)(For service replacement prior to transmission s/n 53291, order SHAFT 73063017 and item 20)
6	73063017	1	SHAFT, output (Effective with transmission s/n 53291)*
7	73045262	1	SPRING
	70915905	2	BALL, 3/8"
8	73045263	1	COUPLING
9	73021128	1	FORK
10	73035864	1	SHAFT
11	73021053	1	<input type="checkbox"/> SEAL
12	73021094	1	BUSHING
13	73045265	1	SHAFT, output (First type)(For service replacement prior to transmission s/n 53291, order SHAFT 73063015 and item 20)
	73063015	1	SHAFT, output (Second type)(Effective with transmission s/n 53291)
14	73044414	2	NUT
15	73044416	2	WASHER (Effective with transmission s/n 53291)(For service replacement prior to transmission s/n 53291, order item 18 and 19)
16	73044369	1	YOKE (Used prior to transmission s/n 53291)
	73063083	1	YOKE (Effective with transmission s/n 53291)*
	73063067	1	YOKE (Service replacement prior to transmission s/n 53291)
17	73046005	1	YOKE (Used prior to transmission serial no. 53291)
	73063020	1	YOKE (Effective with transmission serial no 53291)
18	73061738	2	WASHER
19	73061739	2	O-RING
20	73063023	2	SEAL (Effective with transmission s/n 53291)

☐ (Also see page 8)

\*NOTE: 73063083 YOKE must be used only with 73063017 SHAFT.



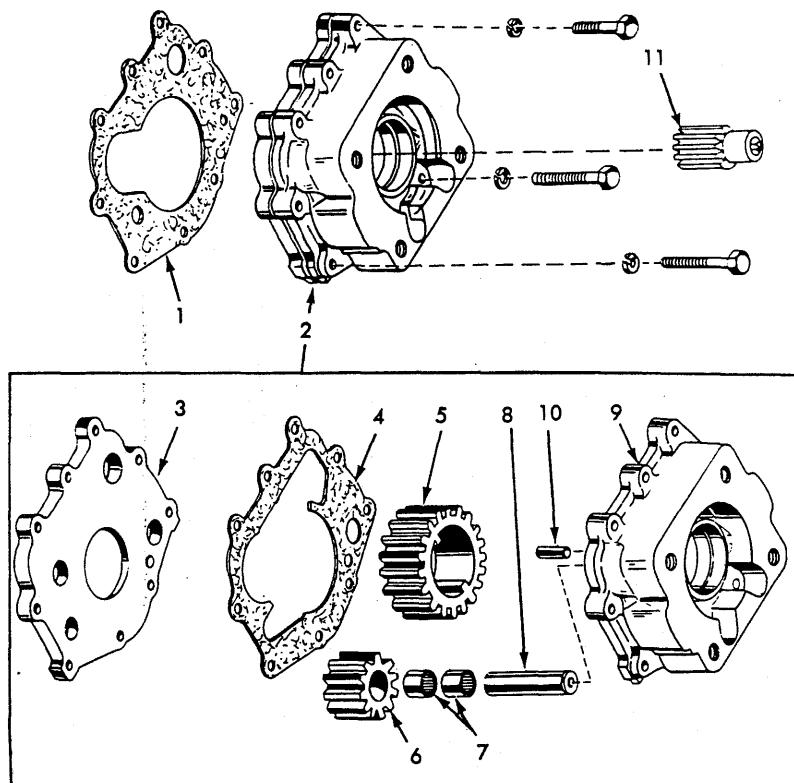
T-71562

## TRANSMISSION REAR HOUSING

USAGE: Optional transmission with 2-speed forward, 2-reverse.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73045320	1	<input type="checkbox"/> GASKET
2	73045321	1	HOUSING
	70919224	16	CAPSCREW, 3/8" NC x 1-1/8"
	70914847	3	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	19	LOCKWASHER, 3/8"
	70907070	1	PLUG, pipe, ctsk., hd., 1/4"
3	73046956	1	SHAFT
4	73045323	1	BEARING (Single row ball)
5	73045325	1	RING, snap
6	70927877	2	RING, snap
7	73045327	1	<input type="checkbox"/> SEAL, ring
8	73045328	1	RETAINER
9	73045329	1	PIN
10	73045330	1	PLUG

☐ (Also see page 8)

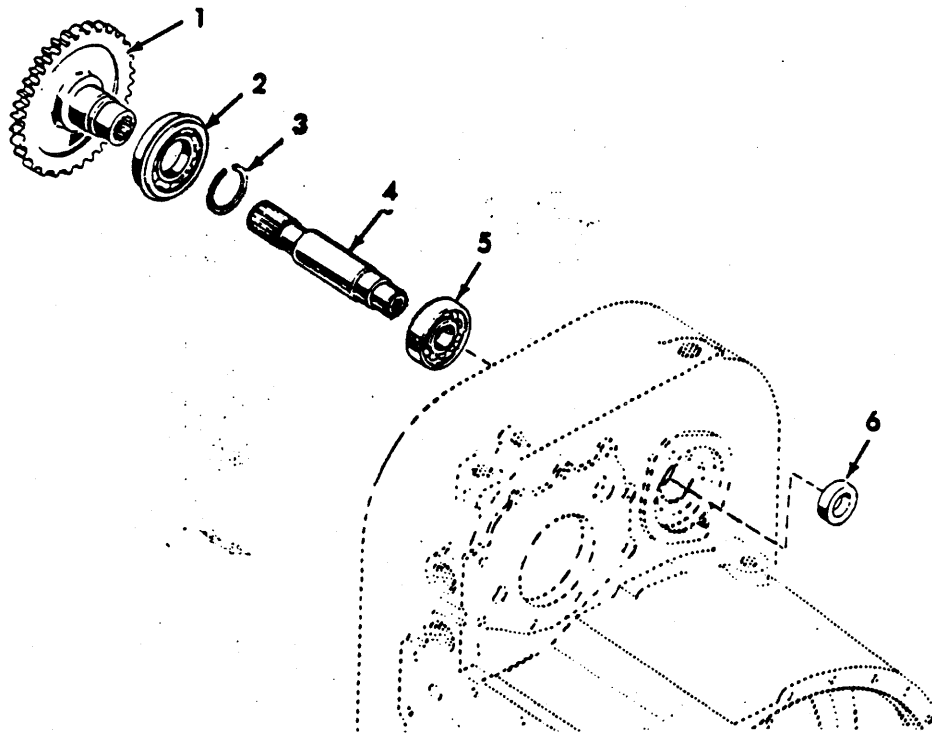


TRANSMISSION CHARGING OIL PUMP

T-70703A

ITEM	PART NO.	QTY.	DESCRIPTION	
1	73044386	1	<input type="checkbox"/> GASKET	
2	73066547	1	PUMP ASSY.(Used prior to transmission s/n 88959)	} Includes items 3 thru 10
	73077847	1	PUMP ASSY.(Effective with transmission s/n 88959)	
	70910948	7	CAPSCREW, 3/8" NC x 2"	
	70920275	2	CAPSCREW, 3/8" NC x 3"	
	70910287	9	LOCKWASHER, 3/8"	
3	73066601	1	COVER	
4	73044402	1	<input type="checkbox"/> GASKET	
5	.....	1	GEAR	} Order item 2
6	.....	1	GEAR	
7	73068571	2	BEARING, needle	
8	.....	1	SHAFT	} Order item 2
9	.....	1	BODY	
10	73044436	1	PIN	
11	73044949	1	COUPLING	



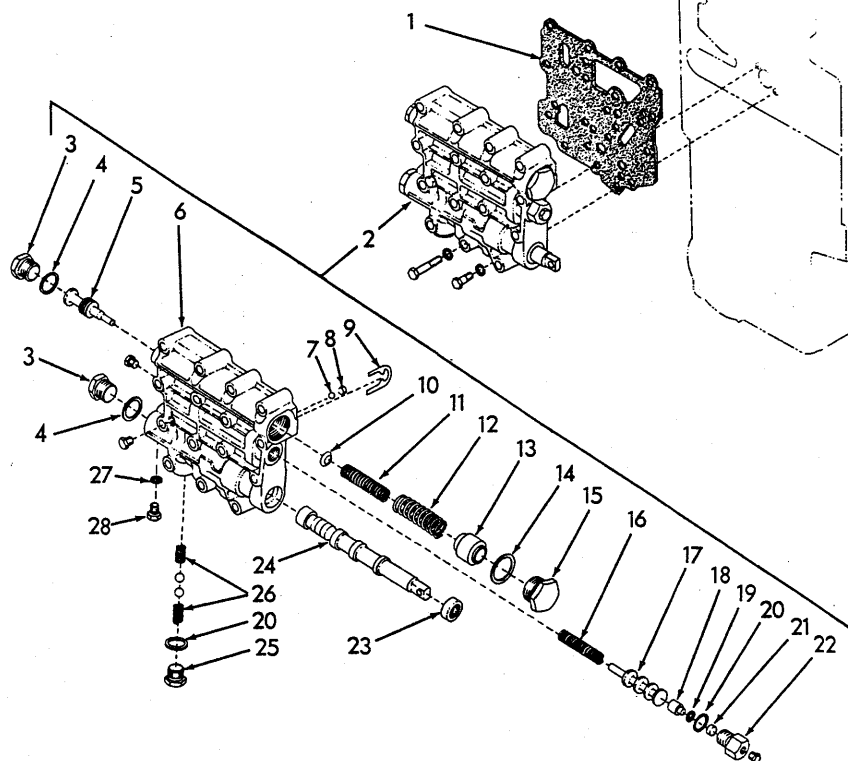


T-70705A

# POWER TAKEOFF

ITEM	PART NO.	QTY.	DESCRIPTION
1	73044405	1	GEAR
2	73044406	1	BEARING (Single row ball)
3	73044407	1	RING, snap
4	73058838	1	SHAFT
5	73044408	1	BEARING (Single row ball)
6	73055857	1	<input type="checkbox"/> SEAL, oil

☐ (Also see page 8)



T-70706A

# TRANSMISSION CONTROL VALVE

\*Transmission with 2-speed forward, 1-reverse

\*\*Optional transmission with 2-speed forward, 2-reverse

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	73048782	1 1	□ GASKET
2	73062746	1 -	VALVE ASSY. (Includes items 3 thru 28)(Early type)
	73076870	1 -	VALVE ASSY. (Includes items 3 thru 9 and 11 thru 28)(Late type)
	73134836	- 1	VALVE ASSY. (Includes items 3 thru 38)
	70916271	1 1	CAPSCREW, 3/8"NC x 1"
	70912069	15 15	CAPSCREW, 3/8"NC x 2-1/2"
	70910287	16 16	LOCKWASHER, 3/8"
3	73044473	2 2	PLUG
4	73044474	2 2	GASKET
5	73048836	1 1	VALVE, regulator (Early type)
	73075030	1 -	VALVE, regulator (Late type)(Used with late type valve body only)
6	73062075	1 -	BODY, control valve (Early type)(Order item 24)
	73076871	1 -	BODY, control valve (Late type)(Use late type valve only)(Order item 24)
	73063395	- 1	BODY, control valve
	73131933	2 2	PLUG
7	73044478	1 1	BALL
8	73044479	1 1	PLUG
9	73044480	1 1	STOP
10	73054808	1 1	RETAINER
11	73058883	1 1	SPRING
12	73048839	1 1	SPRING

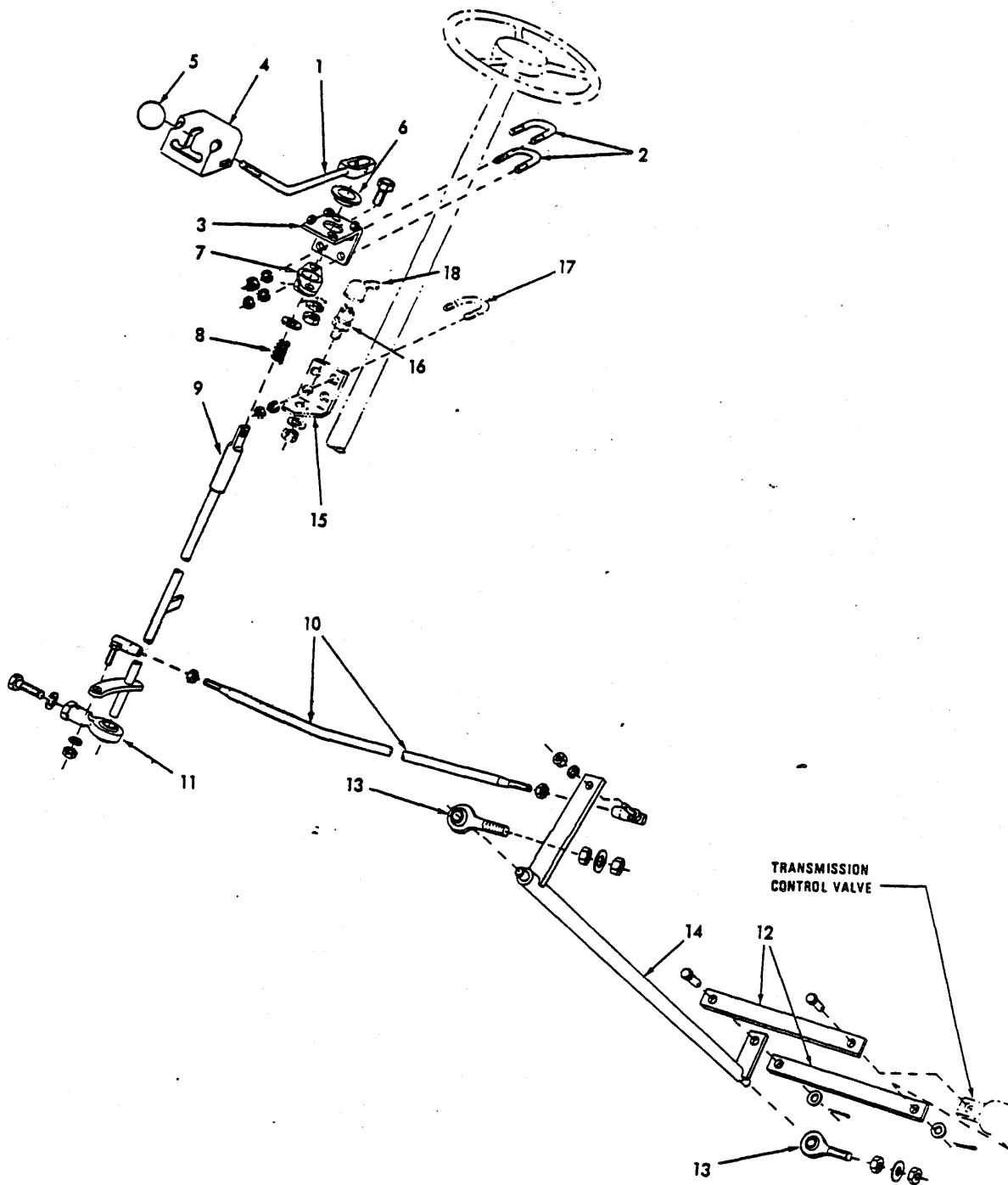
(Continued)

(Revised June 1984)

## TRANSMISSION CONTROL VALVE (Continued)

ITEM	PART NO	QTY.		DESCRIPTION
		*	**	
13	73104559	1	1	PLUG
14	73044485	1	1	□ GASKET
15	73044486	1	1	PLUG
16	73047128	1	1	SPRING
17	73062720	1	1	VALVE
18	73031846	1	1	PLUG
19	73021058	1	1	□ RING
20	73044489	2	2	□ GASKET
21	73031847	1	1	□ CUP
22	73021170	1	1	PLUG
	70919134	1	2	PLUG, pipe, hex-hd., 1/8" NPT
23	73063376	1	1	□ SEAL
	73062076	1	-	VALVE
24	73062140	-	1	VALVE
25	73044493	1	1	PLUG
26	73077783	2	2	SPRING
	70917580	2	2	BALL, detent, 1/2"
27	73063378	1	1	WASHER
28	73063379	1	1	PLUG

MEMO



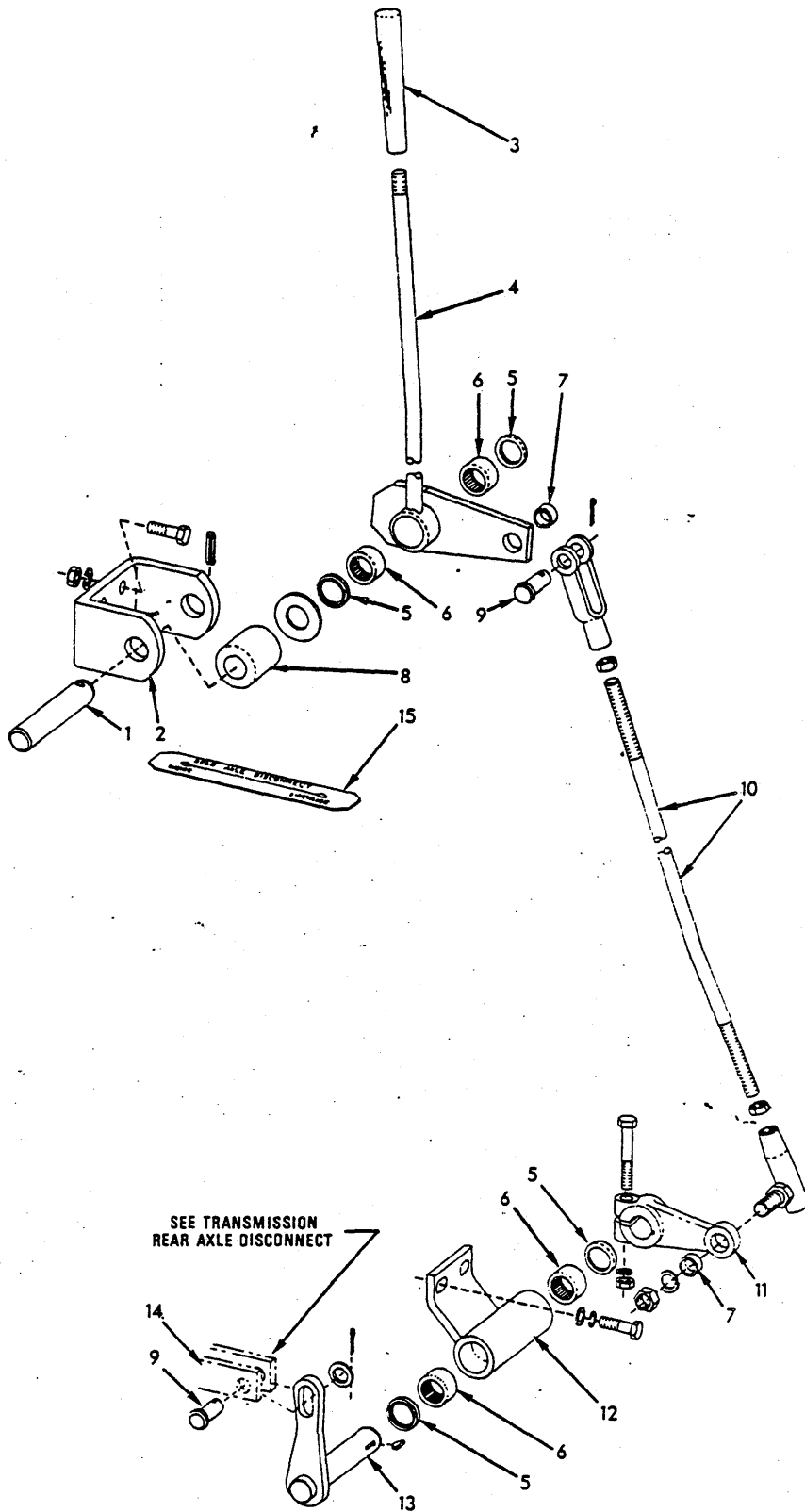
T-73287

# TRANSMISSION CONTROL GROUP

# TRANSMISSION CONTROL GROUP

ITEM	PART NO.	QTY.	DESCRIPTION
1	73053224	1	LEVER
	70916274	1	CAPSCREW, 3/8" NC x 2-1/4"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC
2	73043222	2	U-BOLT
	70912441	4	LOCKWASHER, 1/2"
	70910244	4	WASHER, plain, 1/2"
	70910195	4	NUT, 1/2" NF
3	73053307	1	BRACKET
4	73053306	1	COVER (2-speed forward, 1-reverse)
	73053524	1	COVER (2-speed forward, 2-reverse)
	70916284	3	CAPSCREW, 1/4" NC x 1/2"
	70911114	3	WASHER, plain, 1/4"
	70904204	3	LOCKWASHER, 1/4"
5	73001171	1	KNOB
6	73048860	1	WASHER
7	73053308	1	BEARING
	70916272	2	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
	70914465	1	FITTING, lube, 1/8" NPTF
8	73057766	1	SPRING
	70911159	1	WASHER, plain, 1"
9	73057897	1	LEVER
10	73053343	1	ROD
	70925041	2	JOINT, ball
	70910287	2	LOCKWASHER, 3/8"
	70910123	4	NUT, 3/8" NF
11	73018142	1	BEARING
	70916404	1	CAPSCREW, 5/8" NF x 1-1/4"
	70912942	1	LOCKWASHER, 5/8"
12	73053503	2	BAR
	70917646	2	PIN, yoke, 3/8" x 1-1/16"
	70918448	2	PIN, cotter, 3/32" x 1"
	70911115	2	WASHER, plain, 3/8"
13	73045248	2	BEARING
	70912441	2	LOCKWASHER, 1/2"
	70910244	2	WASHER, plain, 1/2"
	70910195	4	NUT, 1/2" NF
14	73053337	1	LEVER
15	-----	-	BRACKET
16	-----	-	SWITCH, neutral (Includes mounting nuts)
17	-----	-	U-BOLT
18	-----	1	BOOT

See page 234



REAR AXLE DISCONNECT CONTROL

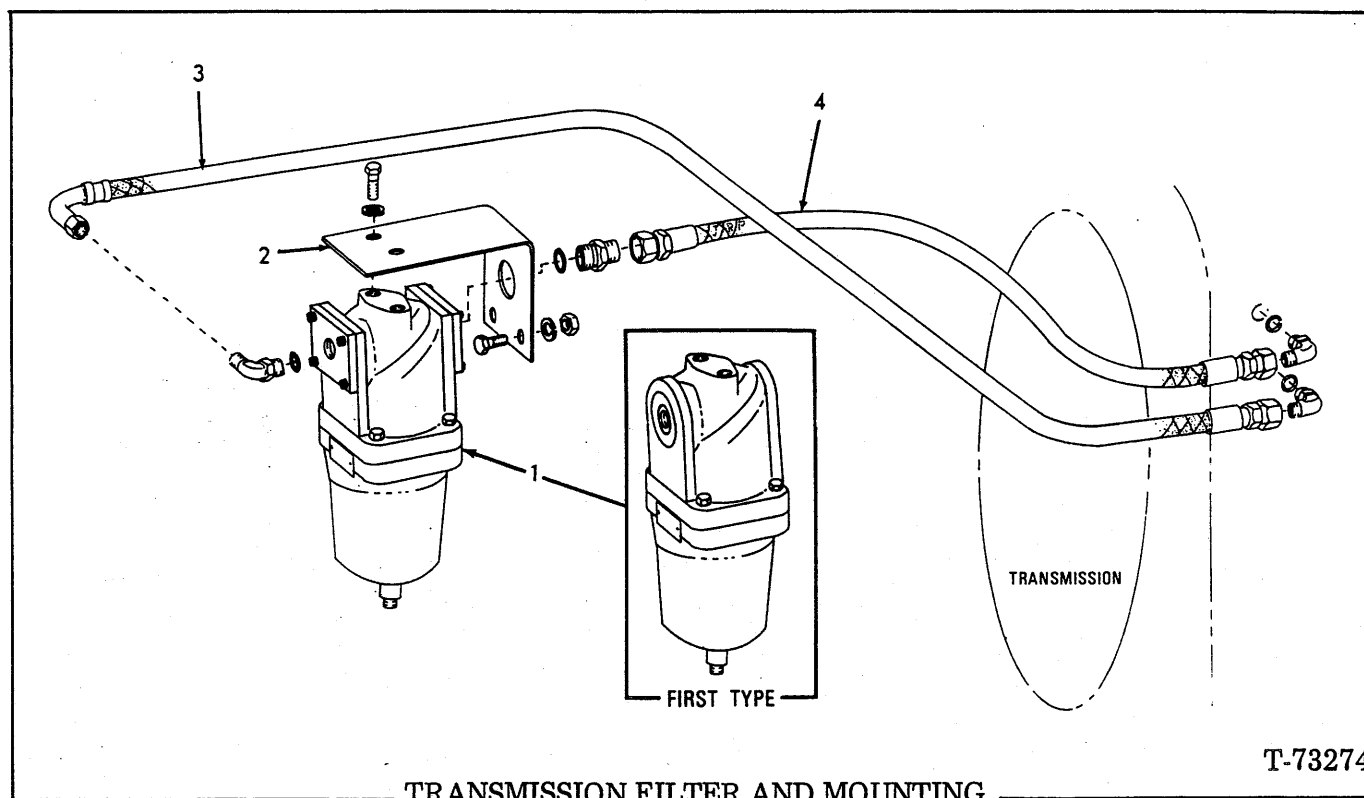
T-73297

# REAR AXLE DISCONNECT CONTROL

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73017119	1	SHAFT
	70916937	1	PIN, roll, 1/4" x 1-1/4"
2	73017118	1	BRACKET
	70916272	3	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	3	LOCKWASHER, 3/8"
	70910324	3	NUT, 3/8" NC
3	73041952	1	GRIP
4	73058157	1	LEVER ASSY. (Includes two each items 5 and 6 and quantity 1 item 7)
5	70052662	4	SEAL
6	70208253	4	BEARING
7	73013909	2	BUSHING
8	73020886	1	SPACER
	70910255	1	WASHER, plain, 3/4"
9	73001565	2	PIN
	70910244	1	WASHER, plain, 1/2" (Used with item 13)
	70900806	2	PIN, cotter, 1/4" x 1"
10	73052581	1	ROD
	70917666	1	YOKE
	70925042	1	JOINT
	70912441	1	LOCKWASHER, 1/2"
	70910195	3	NUT, 1/2" NF
11	73012171	1	LEVER ASSY., pivot (Includes quantity 1 item 7)
	70910948	1	CAPSCREW, 3/8" NC x 2"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC
12	73052579	1	BRACKET ASSY., (Includes two items 5 and 6)
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70911115	2	WASHER, plain, 3/8"
13	73052580	1	LEVER
	70905122	1	KEY, 1/8" x 3/4"
14	-----	-	SHAFT (See page 86)
15	73067627	1	STICKER (Applied to floor plate)

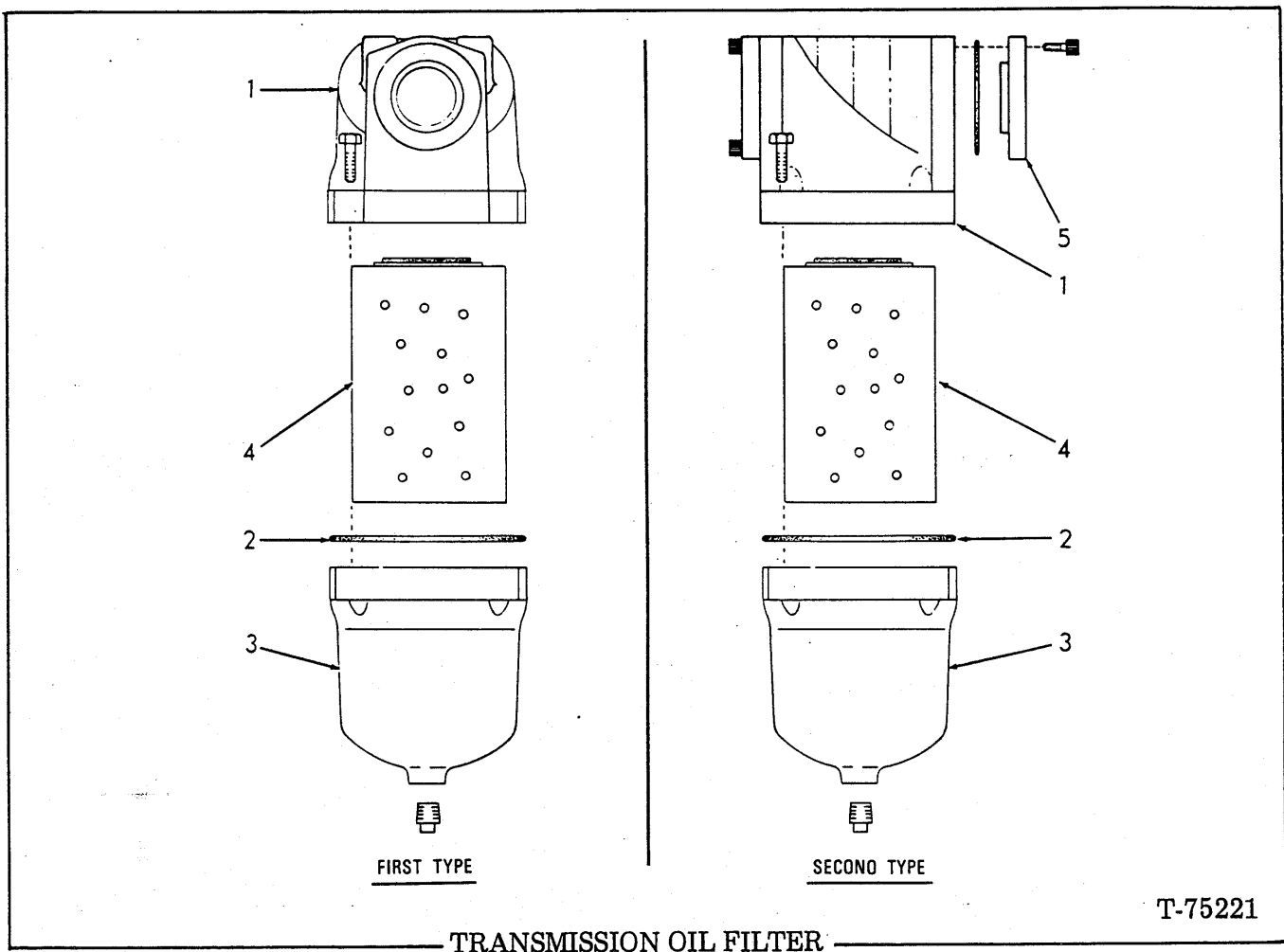




TRANSMISSION FILTER AND MOUNTING

USAGE: \* Used on Loader series 21C, 10L prior to unit no. 05773 including 05775.  
 \*\* Used on Loader series 21C, 10L effective with unit no. 05773 excluding 05775; also used on all Loader series 21S, 33A.

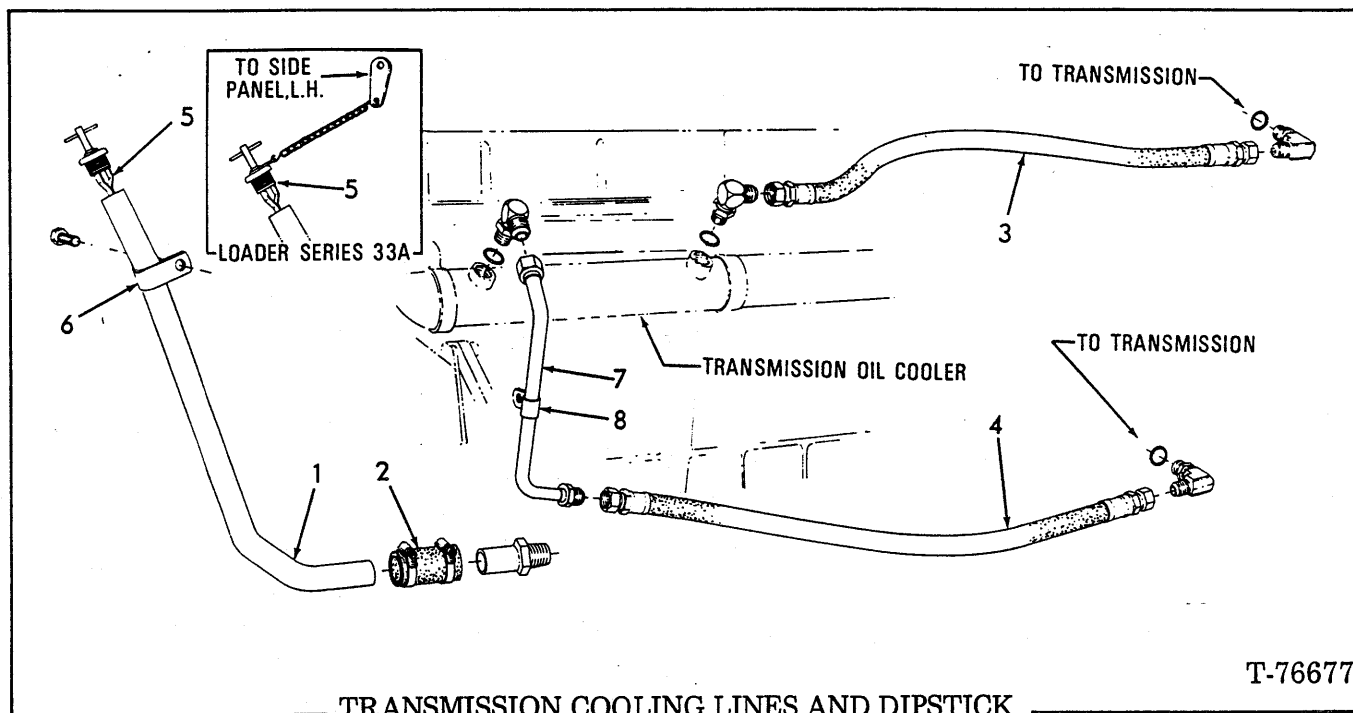
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1 -	FILTER ASSY. (First Type)(For field replacement, order 1 FILTER ASSY. 73065137, 1 CONNECTOR 70921217, and 1 ELBOW 70921203)(See page 99)
	73065137	- 1	FILTER ASSY. (See page 99)
	70916311	2 2	CAPSCREW, 1/2" NC x 1-1/4"
	70904208	2 2	LOCKWASHER, 1/2"
2	73053924	1 1	BRACKET, mounting
	70916311	2 2	CAPSCREW, 1/2" NC x 1-1/4"
	70904208	2 2	LOCKWASHER, 1/2"
	70910325	2 2	NUT, 1/2" NC
3	73054019	1 1	HOSE ASSY., (outlet)(Crimped-type)(Serviced only as a unit) (See HOSE PARTS)
	70926598	1 -	ELBOW, 3/4" tube, 1-1/16" x 1-5/8" st. thd. (Includes 1 O-RING 70921235)(Filter end)
	70921203	1 1	ELBOW, 3/4" tube, 1-1/16" st. thd. (Includes 1 O-RING 70921206)(Quantity 1 at FILTER ASSY., effective with unit no. 05773 except 05775)
4	73044802	1 1	HOSE ASSY., (inlet)(Crimped-type)(Serviced only as a unit) (See HOSE PARTS)
	70924182	1 -	CONNECTOR, 3/4" tube, 1-1/16" x 1-5/8" st. thd. (Includes 1 O-RING 70921235)(Filter end)
	70921203	1 -	ELBOW, 3/4" tube, 1-1/16" st. thd. (Includes 1 O-RING 70921206)(tran. end)
	70921217	- 1	CONNECTOR, 3/4" tube, 1-1/16" st. thd. (Includes 1 O-RING 70921206)(Filter end)



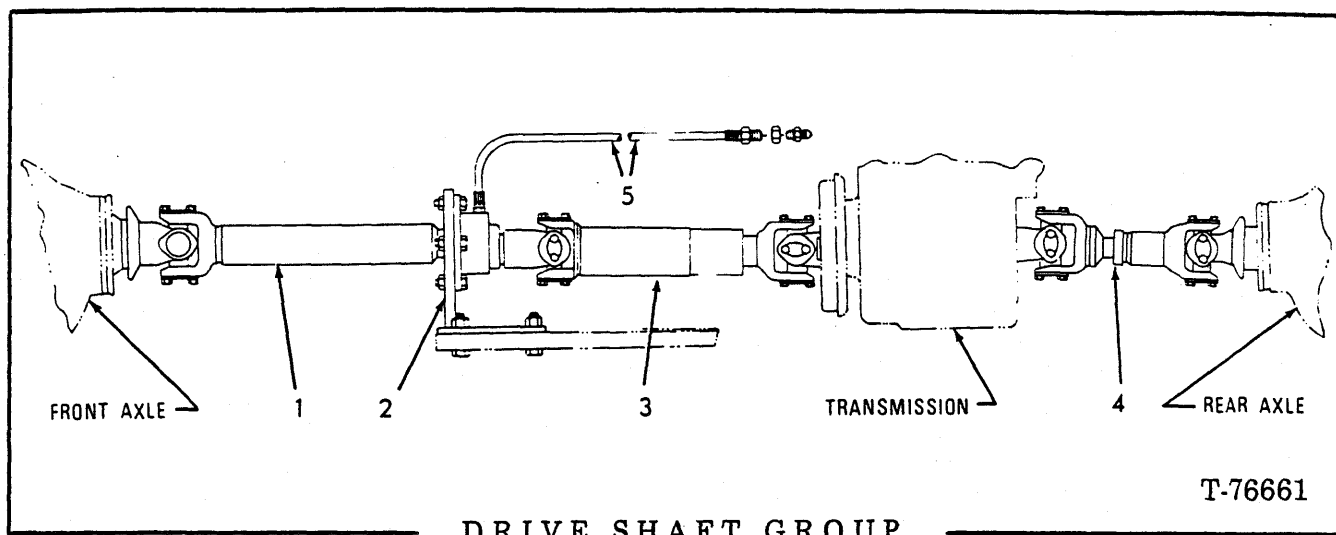
USAGE: \* Used on Loader series 21C, 10L prior to unit no. 05773 including 05775.  
 \*\* Used on Loader series 21C, 10L effective with unit no. 05773 excluding 05775; also used on all Loader series 21S, 33A. } See page 98

NOTE: FILTER ASSY. 73065137 includes total quantity 2 O-RING 70923584.

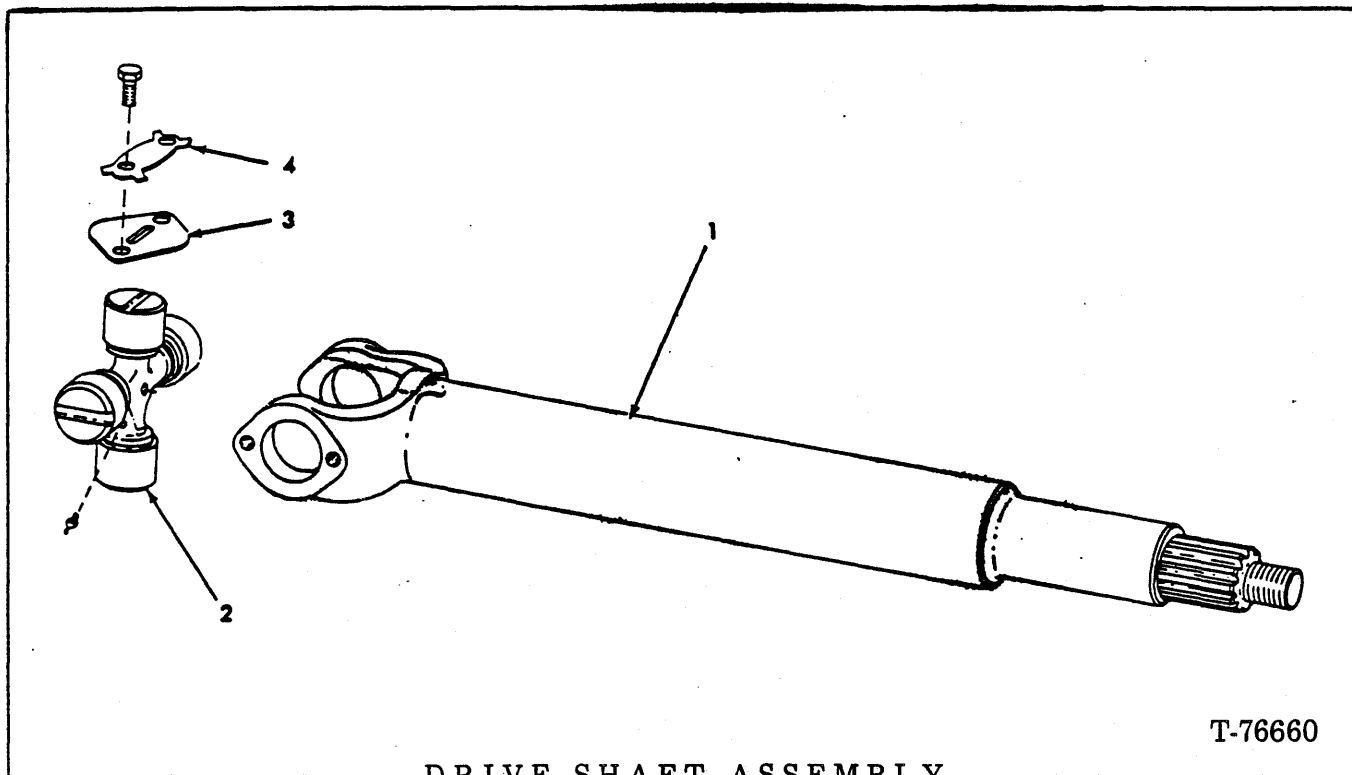
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
-	-----	1	-	FILTER ASSY.(First Type—order FILTER ASSY. 73065137)
	73065137	-	1	FILTER ASSY.(Includes item 1 thru 5)
1	70666243	1	-	HEAD ASSY.
	73065358	-	1	HEAD ASSY. (Includes O-RING indented below)
	70923584	-	2	O-RING
	70920648	4	4	CAPSCREW, 7/16" NC x 2"
	70929247	-	4	WASHER, 15/32"
2	70666244	1	1	SEAL
3	70666245	1	-	HOUSING
	73065357	-	1	HOUSING } (Includes PLUG indented below)
	70901653	1	1	PLUG, 3/8" NPT
4	70679513	1	1	ELEMENT KIT (Includes Element and item 2)
5	73065359	-	2	ADAPTER ASSY. (Each includes 1/2 quantity of items indented below)
	70922996	-	8	CAPSCREW, skt. hd., 5/16" NC x 1"
	70923584	-	2	O-RING



ITEM	PART NO.	QTY.	DESCRIPTION
1	73057809	1	TUBE
2	73044937	1	HOSE, 1-1/2" I.D. x 3-1/2"
	70921912	2	CLAMP, adjustable, (1" to 2")
	70925057	1	ADAPTER, hose (threaded one end)
3	73059150	1	HOSE ASSY. (Serviced only as a unit)
	70921203	1	ELBOW, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 70921206)
4	73057704	1	HOSE ASSY., transmission to cooler
	70921203	2	ELBOW, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 70921206)
5	73057810	1	DIPSTICK, oil lever (Not for Loader series 33A)
	73077099	1	DIPSTICK ASSY., oil lever (For Loader series 33A only) (Includes CABLE and PLATE)
6	70925622	1	CLIP, tube supporting
	70916309	1	CAPSCREW, 1/2" NC x 3/4"
7	73059136	1	TUBE ASSY., 90°
	70921203	1	ELBOW, flare type, 3/4" tube, 1-1/16" straight thread (Includes 1 O-RING 70921206)
8	70925607	1	CLAMP, closed, 3/4" I.D. (Use existing capscrew for attaching clamp)



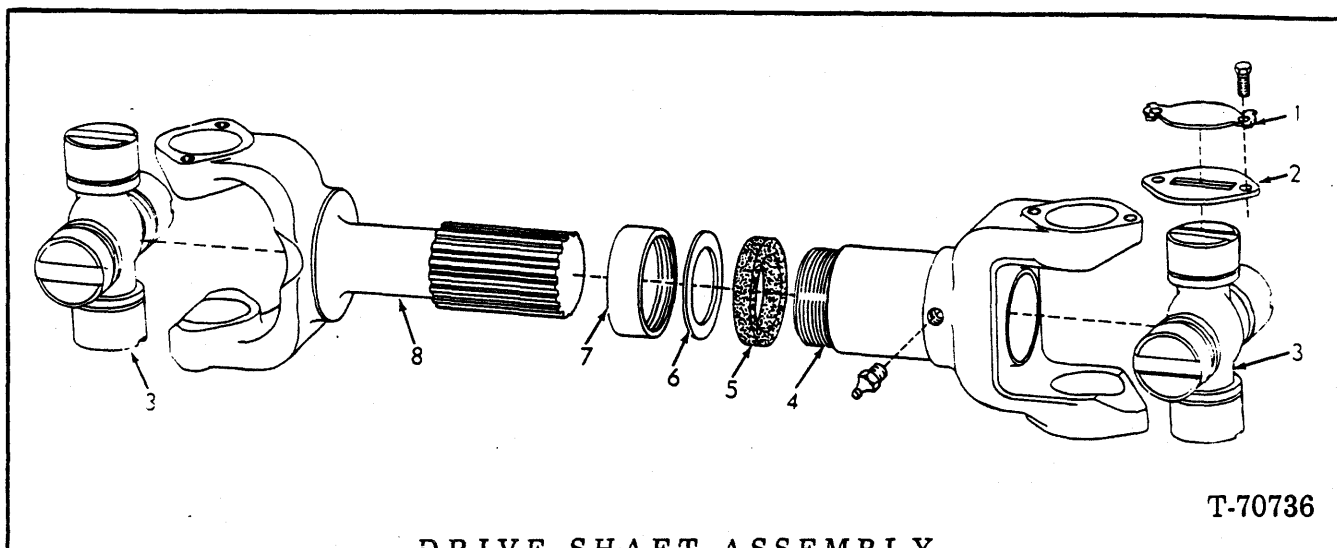
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	SHAFT ASSY., front axle to cartridge (See page 102)
2	-----	-	UNIVERSAL JOINT CARTRIDGE AND SUPPORT (See page 105)
3	-----	1	SHAFT ASSY., cartridge to transmission (See page 104)
4	-----	1	SHAFT ASSY., transmission to rear axle (See page 103)
5	73066603	1	HOSE ASSY., lube (Serviced only as a unit)(used on Loader series 21C, 10L effective with unit no. 06217; also used on all Loader series 21S, 33A)
	70933010	1	LOCKNUT, 1/8" NPSM
	70912808	1	FITTING, lube, 1/4" taper thd.



**DRIVE SHAFT ASSEMBLY**  
(Front Axle to Cartridge)

NOTE: See page 101.

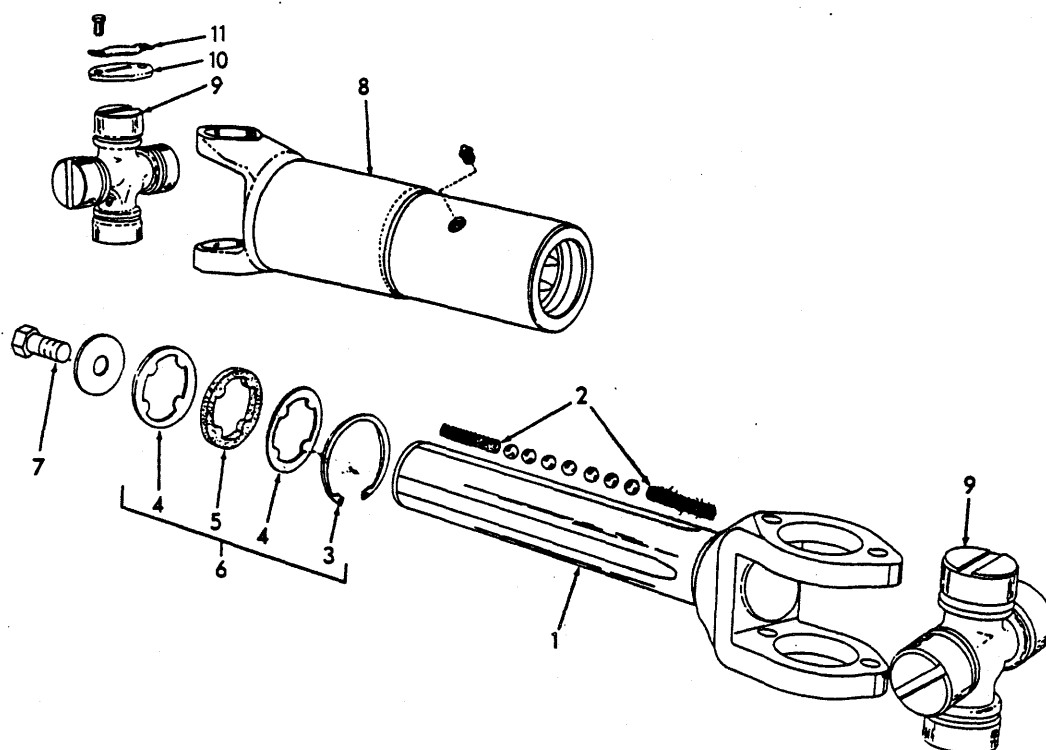
ITEM	PART NO.	QTY.	DESCRIPTION
-	-----	1	SHAFT ASSY. (Includes items 1 thru 4) (See page 105A)
1	-----	1	SHAFT (Order SHAFT ASSY.)
2	73024508	1	CROSS ASSY. (Includes 1 FITTING indented below and items 3 and 4)
	70914687	1	FITTING, lube, 1/4" NF
3	73013810	4	PLATE
4	73013811	4	PLATE
	70911169	8	CAPSCREW, 5/16" NF x 5/8"



**DRIVE SHAFT ASSEMBLY**  
(Transmission to rear axle)

NOTE: See page 101.

ITEM	PART NO.	QTY.	DESCRIPTION
-		1	SHAFT ASSY. (Includes items 1 thru 8) (See page 105D)
1	73013811	8	PLATE
	70911169	16	CAPSCREW, 5/16" NF x 5/8"
2	73013810	8	PLATE
3	73024508	2	CROSS ASSY. (Includes 1 FITTING indented below and items 1 and 2)
	70914687	2	FITTING, lube, 1/4" NF
4	73048795	1	YOKE
	70914465	1	FITTING, lube, 1/8" NPT
5	73021866	1	SEAL
6	73021865	1	WASHER
7	73021867	1	CAP
8	73048794	1	YOKE



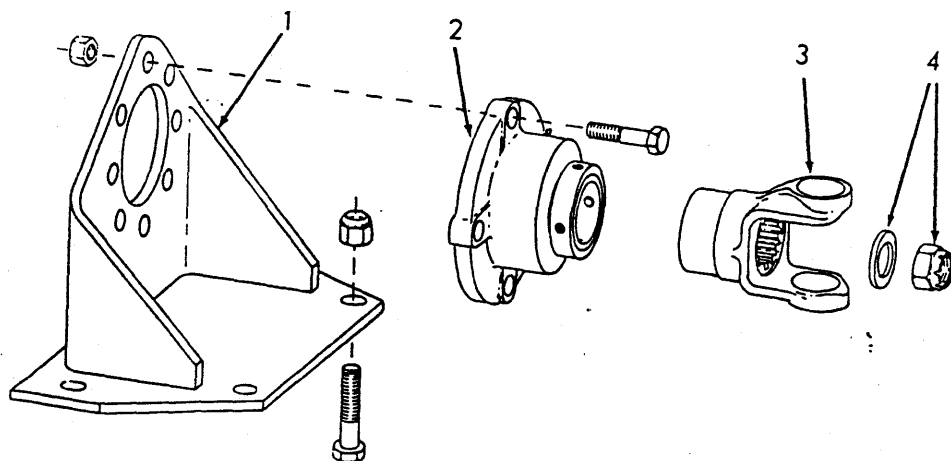
T-70666

# DRIVE SHAFT ASSEMBLY (Transmission to cartridge)

NOTE: See page 101.

ITEM	PART NO.	QTY.	DESCRIPTION
-	-----	1	SHAFT ASSY. (Includes items 1 thru 10) (See page 105C)
1	73057393	1	YOKE
2	73043522	8	SPRING
	70924068	28	BALL, 7/16" dia.
3	70928315	1	RING, snap
4	73057401	2	WASHER
5	73057399	1	SEAL (rubber)
6	73057400	1	ROLL ASSY. (Includes items 3 thru 5)
7	70928314	1	CAPSCREW, 7/16" NF x 3/4"
	70928313	1	WASHER
8	73057396	1	YOKE
	70928347	1	FITTING, lube, 1/4" NF (vent type)
9	73024508	2	CROSS ASSY., center (Includes items 10 and 11 and 1 FITTING indented below)
	70914687	2	FITTING, lube, 1/8" NPT
10	73013810	8	PLATE
11	73013811	8	PLATE
	70911169	16	CAPSCREW, 5/16" NF x 5/8"

(Revised April 1988)



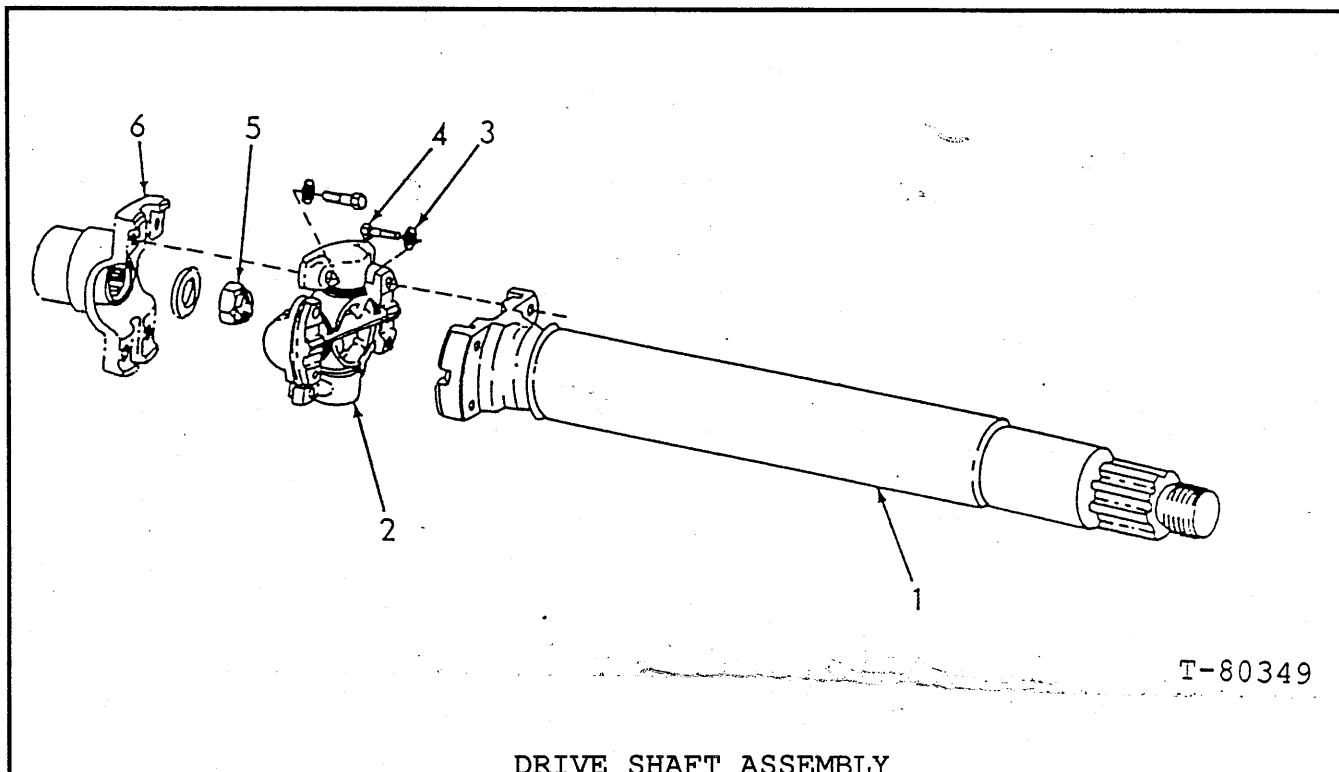
T-76627

# UNIVERSAL JOINT CARTRIDGE AND SUPPORT

NOTE: See page 101.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057571	1	BRACKET
	70916333	4	CAPSCREW, 3/4" NF x 2-3/4"
	70921343	4	LOCKNUT, 3/4"NF
2	73057343	1	BEARING
	70914876	4	CAPSCREW, 5/8" NC x 2-2/1"
	70914501	4	LOCKNUT, 5/8"NC
3	-----	1	YOKE (See page105B)
4	73022056	1	WASHER
	70921140	1	LOCKNUT, 1-1/4"NF





T-80349

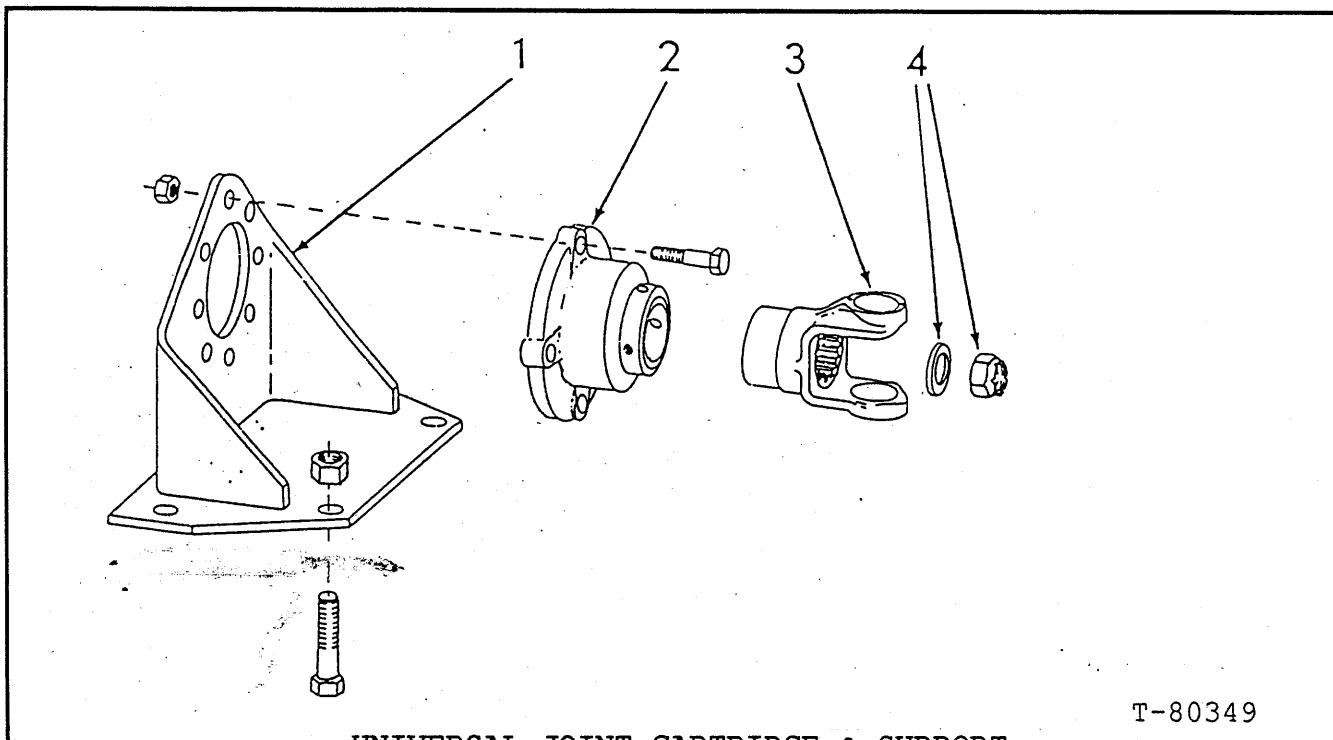
DRIVE SHAFT ASSEMBLY  
(Front Axle to Cartridge)

ITEM	PART NO.	QTY	DESCRIPTION
1	a 73147200	1	SHAFT Includes Items 2-4
2	73146641	1	SPIDER
	-----	1	FITTING, Lubrication Includes items 3,4
3	-----	8	WASHER
4	-----	4	CAPSCREW
	-----	4	CAPSCREW
5	-----	1	NUT (109)
6	b 73147199	1	YOKE

a. When new shaft is installed for first replacement it requires a new yoke, Item 6.

b. When new yoke is installed for first replacement it requires a new shaft, Item 1.

(Added April, 1988)



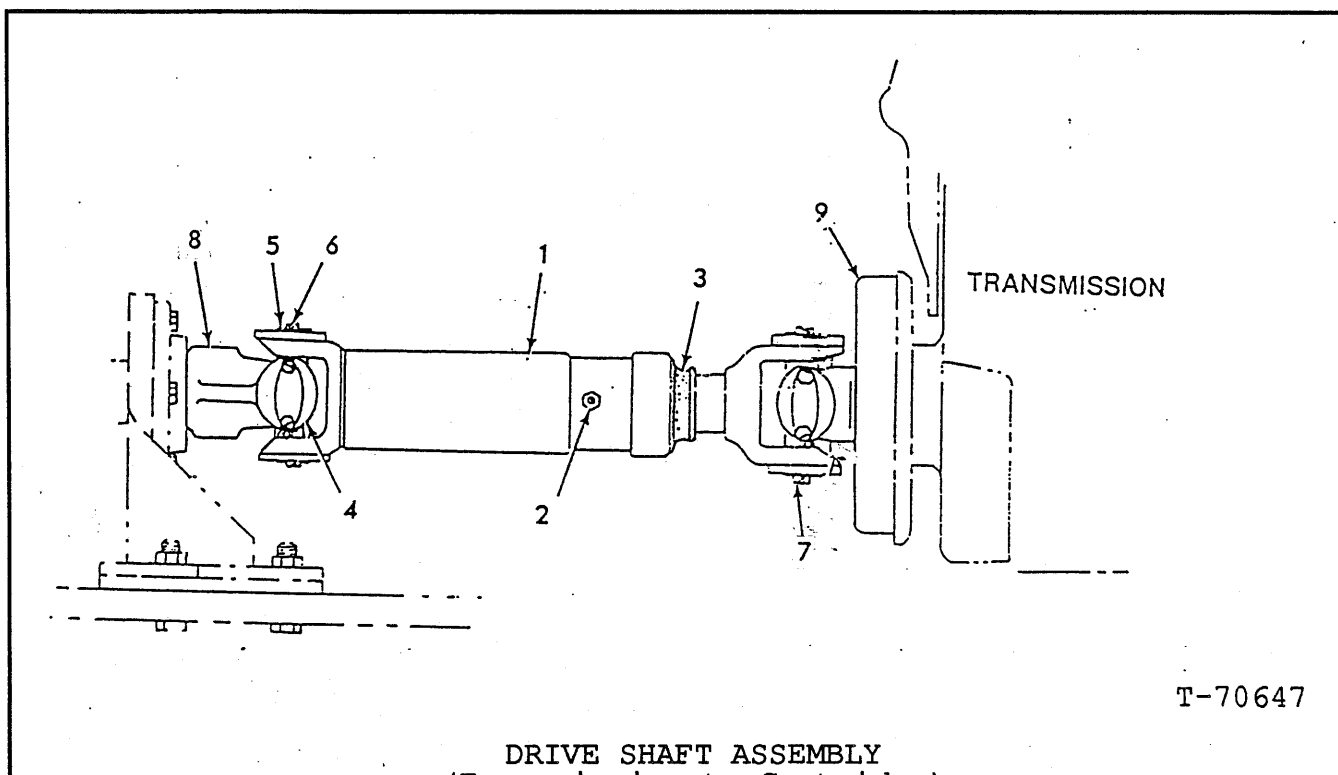
T-80349

# UNIVERSAL JOINT CARTRIDGE & SUPPORT

ITEM	PART NO.	QTY	DESCRIPTION
1	-----	1	BRACKET (105)
2	-----	1	BEARING (105)
3	73146635	1	YOKE
4	a-----	1	LOCKNUT (105)

a. When new yoke is installed for the first replacement, it requires a new shaft (105C) and yoke (105C) on transmission

(Added April, 1988)

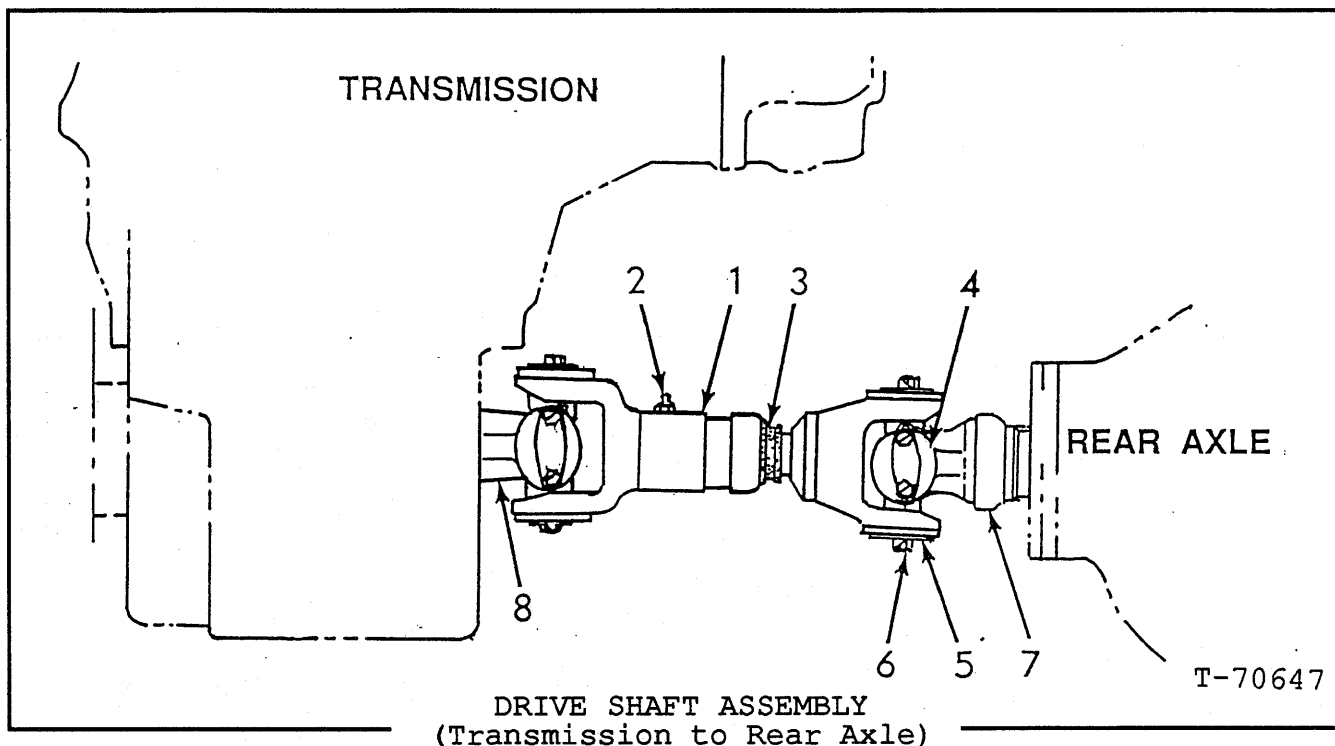


DRIVE SHAFT ASSEMBLY  
(Transmission to Cartridge)

ITEM	PART NO.	QTY	DESCRIPTION
1	a73146639	1	SHAFT Includes items 2-7
2	70914465	1	FITTING, lubrication
3	73146643	1	SEAL
4	73146641	2	SPIDER Includes items 5-7
	-----	2	FITTING, lubrication
5	-----	16	WASHER
6	-----	8	CAPSCREW
7	-----	8	CAPSCREW
8	-----	1	YOKE (105B)
9	73146636	1	YOKE
	-----	1	O-RING (85)
	-----	1	WASHER (85)
	-----	1	LOCKNUT (85)

a. When new shaft is installed for the first replacement, it requires a new yoke, Item 8 and Yoke, Item 1.

(Added April, 1988)

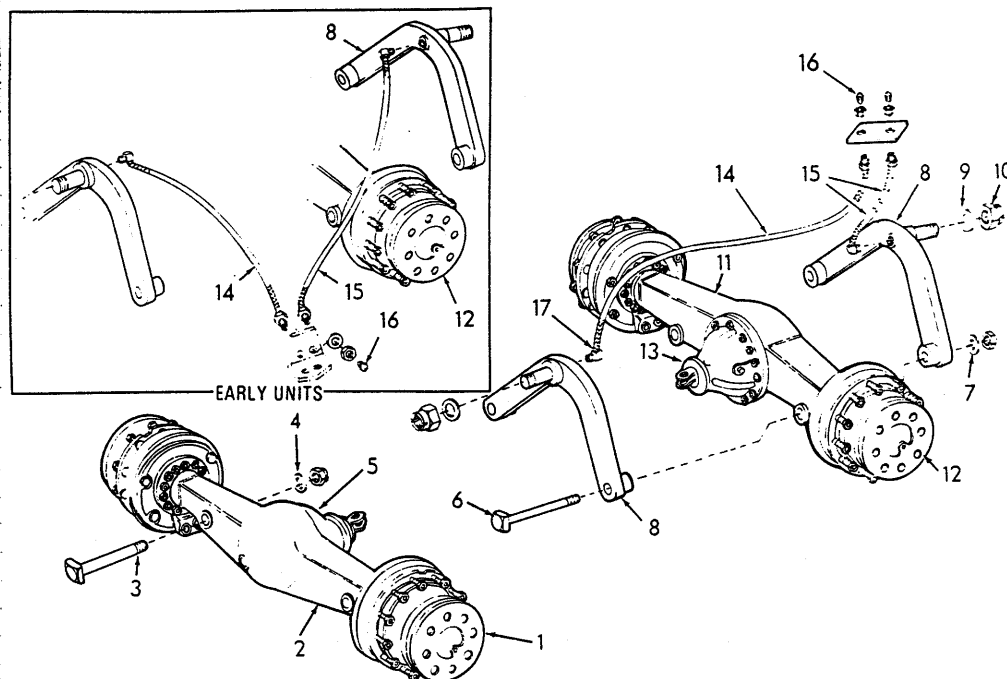


ITEM	PART NO.	QTY	DESCRIPTION
1	a73147201	1	SHAFT Includes items 2-6
2	70914465	1	FITTING, lubrication
3	73146644	1	SEAL KIT, Includes Dust Cap, felt seal and metal washer
4	73146642	2	SPIDER Includes items 5,6
	-----	2	FITTING, lubrication
5	-----	16	WASHER
6	-----	16	CAPSCREW
7	b73147198	1	YOKE
	-----	1	NUT
8	73146637	1	YOKE
	-----	1	WASHER
	-----	1	NUT
	-----	1	O-RING

a. When new shaft is installed for first replacement it requires a new yoke, Item 7 and Yoke, Item 8.

b. When new yoke is installed for first replacement it requires new shaft Item 1 and Yoke Item 8.

(Added April, 1988)



T-70780

# AXLE AND SUPPORTS

\*Front Axle

\*\*Rear Axle

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	73065394	1 -	AXLE ASSY., front (See pages 105 thru 111, 120, 121 and 124)
	73077383	- 1	AXLE ASSY., (See pages 113 thru 117, 122, 123 and 124)(Service replacement axle model no. PRLC-176-H102 effective with 084-80-001)(Replaces 73057735 PR-54HX3, 73062251 PR-54HX5, 73067301 and 73076300 PRLC-176-H100)
	73070445	- 1	AXLE ASSY., no-spin (Special equipment model no. PRLC-176-H101 includes items 11, 12 and 13)(See NOTE page 113)
1	-----	1 -	SHAFT AND HUB, front (See page 109)
2	-----	1 -	HOUSING, front (See page 105)
3	73036937	2 -	PIN, axle connecting
4	70928136	2 -	WASHER, plain
	70925284	2 -	LOCKNUT, 1-1/2"NF
5	73052662	1 -	DIFFERENTIAL ASSY., front (See page 106)
6	73042335	- 2	PIN, axle connecting
7	70928136	- 2	WASHER, plain
	70925284	- 2	LOCKNUT, 1-1/2"NF
8	73043234	- 2	SUPPORT, axle, rear
9	73042688	- 2	WASHER, plain
10	70925761	- 2	LOCKNUT, 2"NC
11	-----	- 1	HOUSING, axle, rear (See page 117)
12	-----	- 1	SHAFT AND HUB, rear axle (See page 118)
13	-----	- 1	DIFFERENTIAL ASSY., rear axle (See page 112)

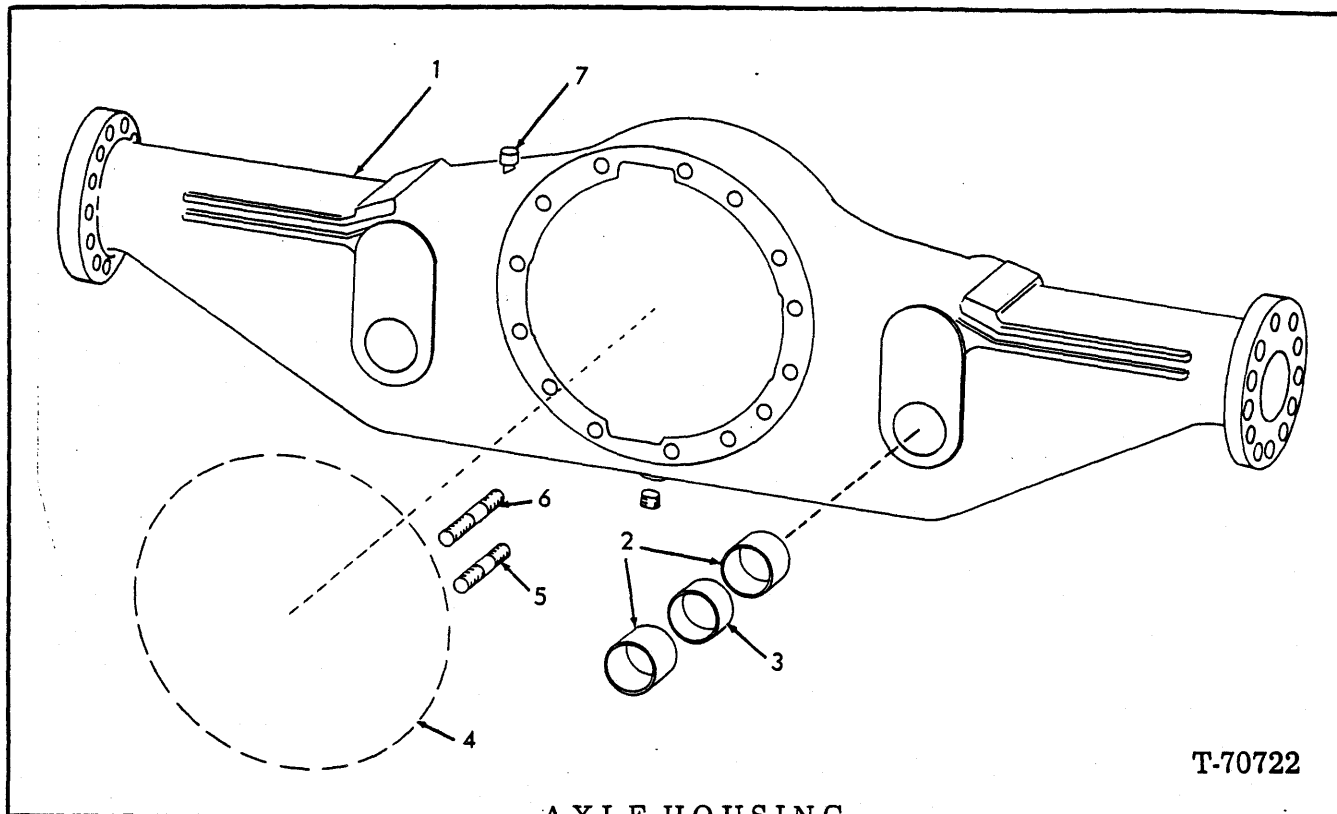
(Continued)

AXLE AND SUPPORTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	73004999	- 1	*HOSE ASSY. (used on Loader series 21C, 10L prior to unit no. 06217)
	73066605	- 1	*HOSE ASSY. (used on Loader series 21C, 10L effective with unit no. 06217; also used on all Loader series 21S, 33A)
	70912942	- 2	LOCKWASHER, 5/8"
	70910345	- 2	NUT, jam, 5/8" NF
	70915274	- 2	FITTING, lubricating, straight, 1/8" NPT
	70917013	- 2	ELBOW, pipe, 1/8" NPT (brass)
15	73032350	- 1	*HOSE ASSY. (used on Loader series 21C, 10L prior to unit no. 06217)
	73066603	- 1	*HOSE ASSY. (used on Loader series 21C, 10L effective with unit no. 06217; also used on all Loader series 21S, 33A)
16	70915274	- 2	FITTING, lube, 1/8" NPT (used on Loader series 21C, 10L prior to unit no. 06217)
	70910345	- 2	NUT, jam, 5/8" NF
	70912942	- 2	LOCKWASHER, 5/8"
	70912808	- 2	FITTING, lube, 1/4" taper thd. (used on Loader series 21C, 10L effective with unit no. 06217; also used on all Loader series 21S, 33A)
	70933010	- 2	LOCKNUT, 1/8" NPSM
17	70917013	- 2	ELBOW, 1/8" NPT

\*Serviced only as an assembly

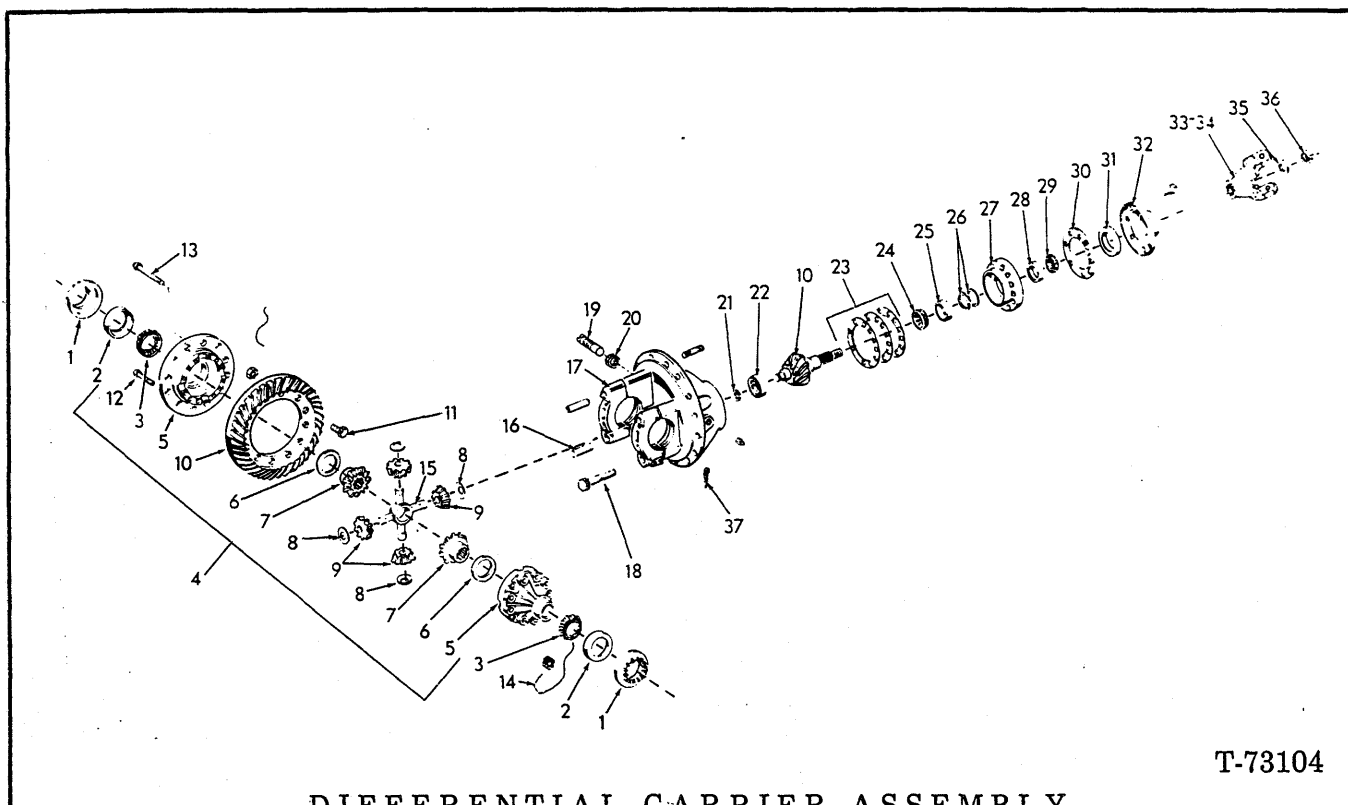
MEMO



AXLE HOUSING  
(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73054285	1	HOUSING ASSY. (Includes PLUG indented below, item 2, 3, 5 and item 6 STUD)
	70901667	2	PLUG, pipe, 1-1/4" NPT (filler)
2	73021833	4	BUSHING
3	73021840	2	SPACER
4	70930984	1	SEALANT (3 oz. tube - use as required)
5	73046543	2	STUD (2-7/8" long)
	73048404	4	STUD (3" long)
	73043828	6	WASHER
	70930996	6	NUT, 1/2" NF
6	73024639	8	STUD (2-5/8" long)
	73043828	8	WASHER
	70930996	8	NUT, 1/2" NF
7	73007145	1	BREATHER





T-73104

# DIFFERENTIAL CARRIER ASSEMBLY (Front Axle)

NOTE: Quantity indicated is for one DIFFERENTIAL ASSY.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73052662	<del>2</del> 1	DIFFERENTIAL ASSY. (Includes items 1 thru 37)
1	73024623	2	RING, adjusting
2	70210733	2	CUP
3	73024592	2	CONE
4	73024588	1	DIFFERENTIAL ASSY. (Includes items 5 thru 9, 14 and 15)
5	73048775	1	CASE ASSY. (2 halves - plain and flanged)(Includes items 12 and 13)
6	71119348	2	† WASHER
7	73024594	2	† GEAR
8	73024598	4	† WASHER
9	73024597	4	† PINION
10	73052663	1	PINION AND GEAR ASSY. (Serviced only as a unit)
11	73062165	12	CAPSCREW, 1/2" NC x 1-3/4" (Replaces 73057629)
	70929732	12	NUT, 1/2" NC (Replaces 70928516)
	70931301	12	SCREW, slotted, 1/2" NF x 1-3/4"
	70930996	12	LOCKNUT, 1/2" NF
	71143613	12	WASHER, 1/2"
	73040056	6	WIRE (10" long)(Early units only)
12	70930375	4	CAPSCREW, dr. hd., 1/2" NC x 2-1/4" (Replaces 73048776)
13	70930376	8	CAPSCREW, dr. hd., 1/2" NC x 3" (Replaces 73048777)
14	-----	1	LOCKWIRE, 1/16" x 30" long (Early units only)
15	73024596	1	† SPIDER
16	73022314	4	PIN

(Continued)

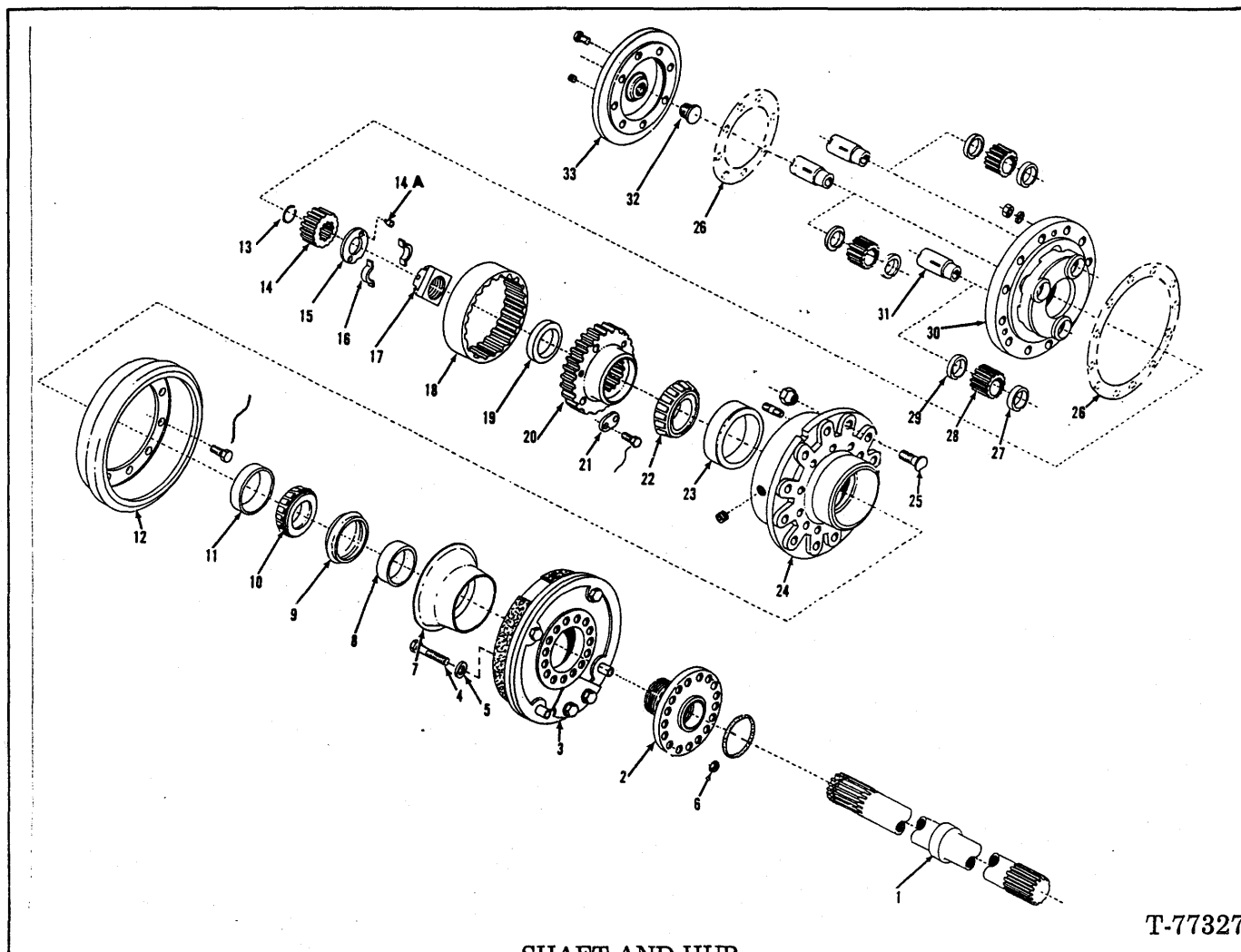
# DIFFERENTIAL CARRIER ASSEMBLY (Continued)

(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
17	73043185	1	CARRIER ASSY. (Includes carrier, bearing caps, item 16 and item 18 except PLUG)
	-----	14	STUD (See page 107)
18	70930471	4	CAPSCREW, 5/8" NC x 4-1/2" (Replaces 70928301)
	73032781	4	WASHER, 5/8"
	70904224	1	PLUG, pipe, 3/4" NPT
19	73051890	1	SCREW
20	70910847	1	NUT, jam, 3/4" NF
21	73033029	1	RING, snap
22	73071463	1	BEARING
	73024625	1	SHIM KIT (Consists of following three shims)
23	73024624	-	SHIM (.003" thick - use as required)
	73024626	-	SHIM (.005" thick - use as required)
	73024627	-	SHIM (.010" thick - use as required)
24	73043168	1	CONE
25	70611770	1	CUP } (Order both cup and cone)
	73024603	1	SPACER KIT (Consists of the following six spacers)
	73024605	-	SPACER (.219" thick - use as required)
	73024606	-	SPACER (.220" thick - use as required)
	73024607	-	SPACER (.221" thick - use as required)
	73024608	-	SPACER (.222" thick - use as required)
	73024609	-	SPACER (.223" thick - use as required)
26	73024610	-	SPACER (.224" thick - use as required)
	73024611	1	SPACER KIT (Consists of the following five spacers)
	73024612	-	SPACER (.230" thick - use as required)
	73024613	-	SPACER (.236" thick - use as required)
	73024614	-	SPACER (.242" thick - use as required)
	73024615	-	SPACER (.248" thick - use as required)
	73024616	-	SPACER (.254" thick - use as required)
27	73032881	1	CAGE ASSY. (Includes items 25 and 28)
28	70611770	1	CUP
29	73043167	1	CONE } (Order both cup and cone)
30	73024632	1	GASKET
31	73024620	1	SEAL
32	73024619	1	COVER ASSY. (Includes item 31)
	70927583	8	CAPSCREW, 7/16" NC x 1-3/4"
33	73024622	1	SLINGER
34	-----	1	YOKE ASSY. (Includes item 33) (See page 105A)
35	73024633	1	WASHER
36	73059730	1	NUT
37	73037174	2	PIN
38	73069535	1	KIT

† included with item 38

(Revised April 1988)



T-77327

SHAFT AND HUB  
(Front Axle)

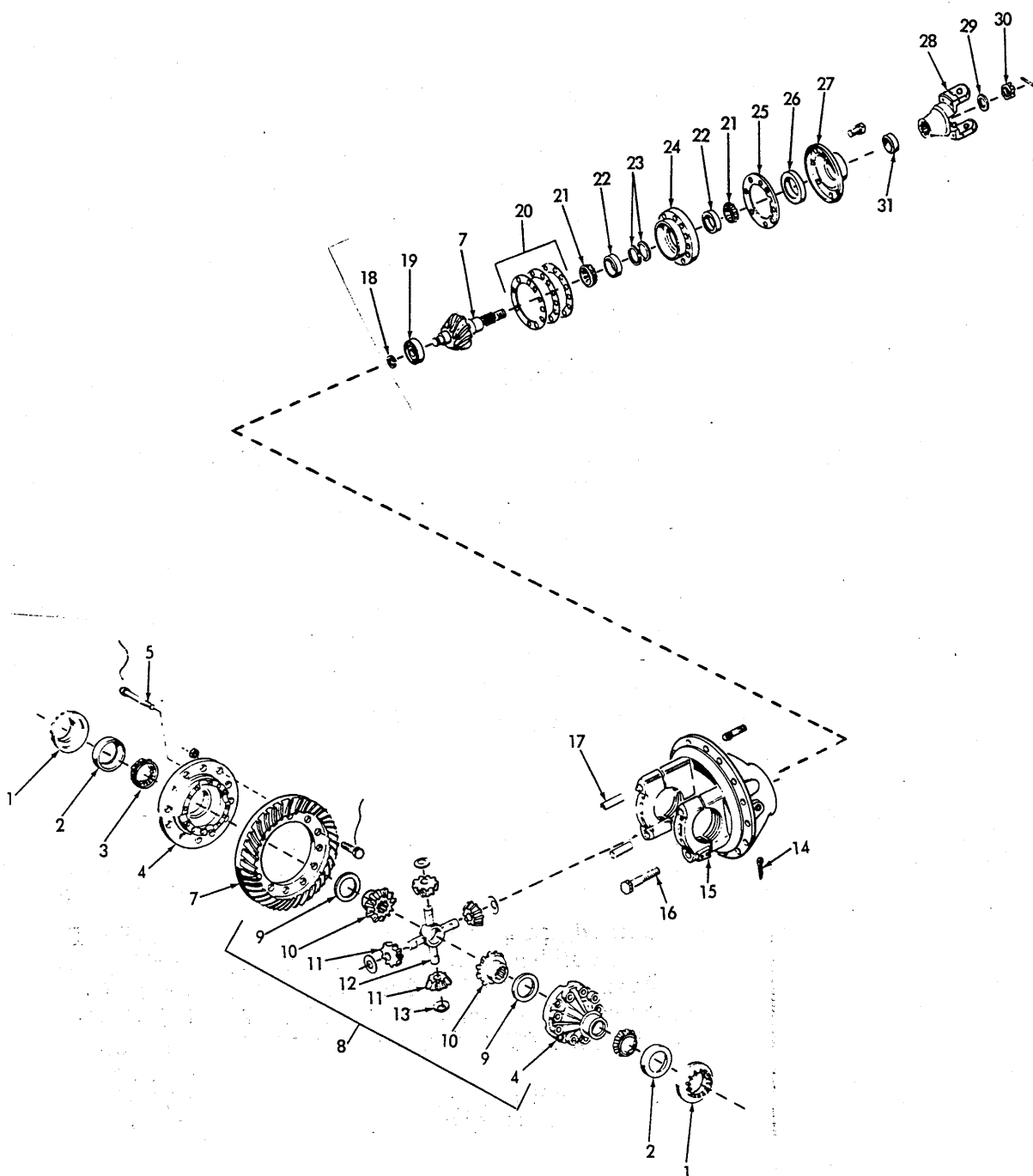
ITEM	PART NO.	QTY.	DESCRIPTION
1	73048413	2	SHAFT
2	73028096	2	SPINDLE(Used on Loader series 21C, 10L prior to unit no. 05891)(32 teeth)
	73065398	2	SPINDLE(Used on Loader series 21C, 10L effective with unit no. 05891)(66 teeth); also used on Loader series 21S, 33A)
	70923607	2	O-RING
3	-----	2	BRAKE ASSY. (See page 122)
4	73059777	2	CAPSCREW, 5/8" NC x 3-7/8"
	70921403	22	CAPSCREW, 5/8" NC x 2-1/2"
5	73028093	24	WASHER
6	70930986	24	NUT (Used on Loader series 21C, 10L prior to unit no. 05891)
7	73053236	2	SLINGER
8	-----	2	SLEEVE (Order item 9)
9	73059713	2	SEAL ASSY., oil (Includes item 8)
10	73024650	2	CONE
11	73022047	2	CUP
12	73055310	2	DRUM
	70921411	20	CAPSCREW, 5/8" NC x 1-1/2"
	73038206	20	WASHER (hardened)

(Continued)

## SHAFT AND HUB (Continued)

(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
13	73024683	2	RING
14	73024676	2	GEAR
14A	73024678	4	PIN(Early units)
15	-----	2	WASHER ASSY.(Includes item 14A)(Order 73056823)
	73056823	2	WASHER
16	73024672	4	RETAINER
17	73024671	2	NUT
18	73024681	2	GEAR
19	-----	2	SLEEVE (Order item 20)
20	73024660	2	HUB ASSY., ring gear (Includes item 19)(Used on Loader series 21C, 10L prior to unit no. 05891)(32 internal teeth)
	73065396	2	HUB ASSY., ring gear (Includes item 19)(Used on Loader series 21C, 10L effective with unit no. 05891; also used on Loader series 21S, 33A)(66 internal teeth)
21	73024673	8	PLATE
	70922925	16	CAPSCREW, 5/16" NC x 3/4"
22	73024652	2	CONE
23	73024651	2	CUP
24	73024648	2	HUB ASSY., wheel(each includes items 11, 23 and item 30a STUD)
	73022116	2	PLUG, magnetic, 3/4" NPT
25	73022121	24	STUD (wheel attaching)
	73007152	24	LOCKNUT, 3/4" NF
26	70930984	-	GASKET MATERIAL (3 oz. tube)(Use as required)
27	73041349	6	WASHER
28	73024680	6	GEAR
29	73024674	6	WASHER
30	73024682	2	SPIDER
30a	73024687	24	STUD, 1/2" NF x 2-1/8" (Also see item 24)
	71143613	24	WASHER, plain (Special)
	70930996	24	NUT, 1/2" NF
31	73058578	6	SHAFT
32	73022076	2	BUTTON
33	73024684	2	COVER ASSY. (Includes item 32)
	73048405	16	CAPSCREW, 7/16" NC x 1-1/8"
	70907070	2	PLUG, pipe, countersunk-hd., 1/4" NPT



DIFFERENTIAL CARRIER ASSEMBLY (Rear Axle)

T-73153

# DIFFERENTIAL CARRIER ASSEMBLY (Rear Axle)

USAGE: \* Used prior to axle assy. (model no. PR-54-HX3) s/n 7-73-001, loader s/n 10L, 21C04852 excluding units 04834 thru 04851.

\*\* Effective with axle assy. (model no. PR-54-HX5) s/n 7-73-001, loader s/n 10L, 21C04852 including units 04834 thru 04851; also used on all Loader series 21S, 33A.

\*\*\* Used with axle assy. model no. PRLC-176-H100 and PRLC-176-H102.

NOTE: See axle serial no. plate attached to axle housing for proper identification. See page 106 for complete axle assy. No-spin axle assy., listed on page 106, includes all items in \*\*\* column except 9 thru 13 and all items on page 116.

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
-	73048796	1	-	-	DIFFERENTIAL ASSY. (Includes items 1 thru 31)
	-----	-	1	-	DIFFERENTIAL ASSY. (Includes items 1 thru 31) (Order 73067302)
	73067302	-	-	1	DIFFERENTIAL ASSY. (Includes items 1 thru 31)
1	73028710	2	-	-	RING, adjusting, left and right
	73028709	-	2	2	RING, adjusting, left and right
2	70202584	2	-	-	CUP
	70929396	-	2	2	CUP
3	73028749	2	2	2	CONE
4	73052665	1	1	1	CASE ASSY., differential (Includes 1 flange half, 1 plain half and item 5)
5	70933329	8	8	8	CAPSCREW, 1/2" NC x 3" (replaces 70930376)
	71143613	8	8	8	WASHER
	-----	8	8	8	LOCKWIRE (early units only)(refer to item 33)
7	73048800	1	1	1	PINION AND GEAR SET (Serviced only as a unit)
	70931301	12	12	12	CAPSCREW, slotted, 1/2" NF x 1-3/4" (Replaces 70930380)
	71143613	12	12	12	WASHER, plain (Special)
	70930996	12	12	12	LOCKNUT, drive gear, 1/2" NF (Replaces 70929732)
8	73048801	1	1	1	DIFFERENTIAL AND CASE ASSY. (Includes items 4, 6 and 9 thru 13) (standard differential only)
9	73028746	2	2	2	†WASHER, thrust
10	73028735	2	2	2	†GEAR
11	73028732	4	4	4	†PINION
12	73028747	1	1	1	†SPIDER
13	73007255	4	4	4	†WASHER, thrust
14	73037174	2	2	2	PIN, cotter
15	73062261	1	1	1	CARRIER AND CAP ASSY. (Includes carrier, bearing caps, item 16 except 70904224 PLUG and item 17) (Replaces 73048798 and 73061937)(Prior to axle s/n 7-73- 001, unit no. 04852, excluding 04834 thru 04851 also order 2 RING 73028709, 2 CUP 70929396, and 2 CONE 73028749)
16	70928043	4	4	4	CAPSCREW, 5/8" NC x 3-1/2" (Replaces 70921266)
	73038206	4	4	4	WASHER, plain (Replaces 73032781)
	-----	-	-	-	LOCKWIRE (Early unit only)(Refer to item 33)
	70904224	1	1	1	PLUG, 3/4" NPT
17	73022314	4	4	4	PIN, dowel
18	70927740	1	1	1	RING, lock (Replaces 73007680)
19	73073680	1	1	1	BEARING
	73048803	1	1	1	SHIM (.003" thick)
20	73048804	3	3	3	SHIM (.005" thick)
	73048805	4	4	4	SHIM (.010" thick)

Use as required

(Continued)

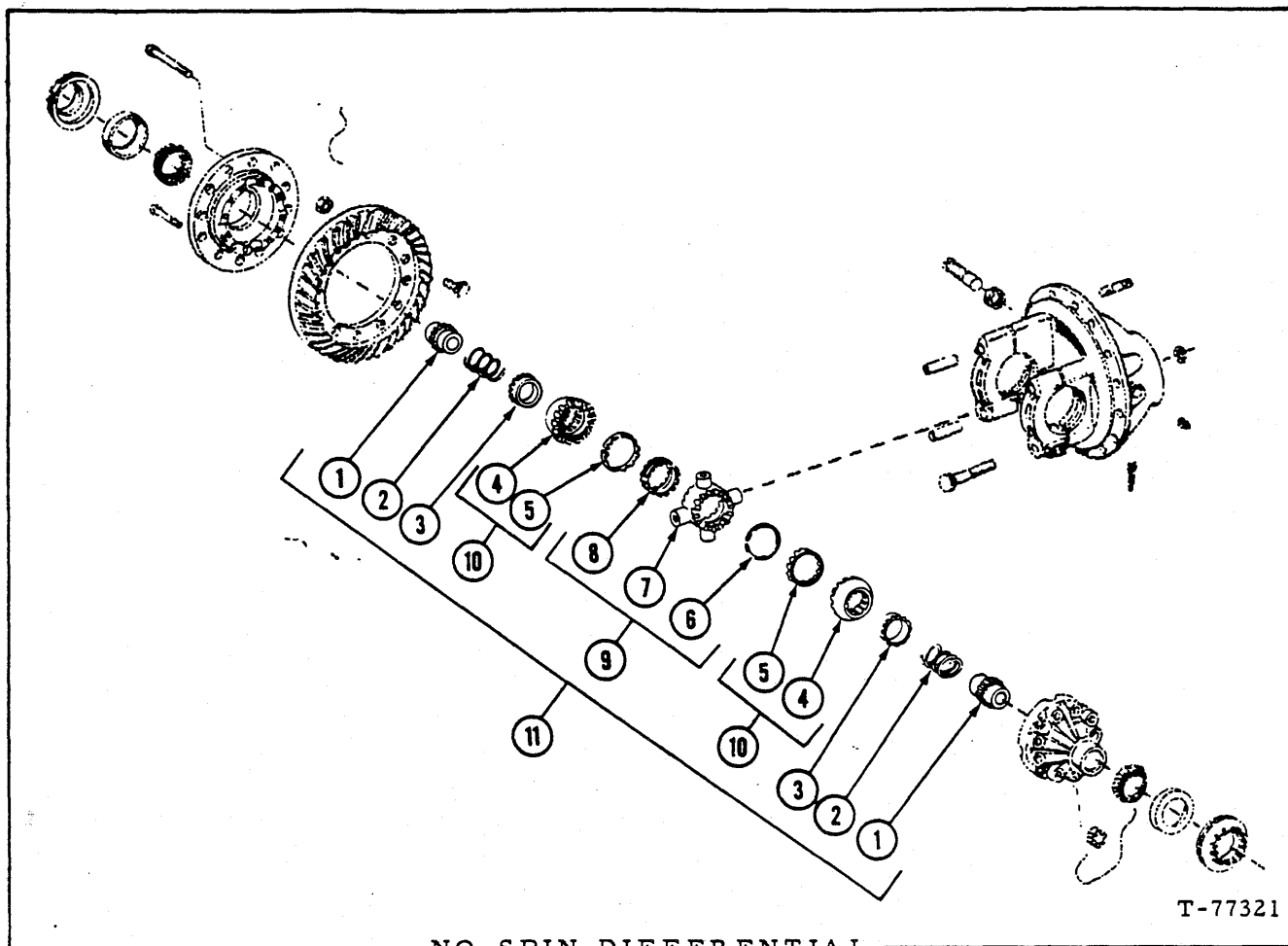
(Revised June 1984)

DIFFERENTIAL CARRIER ASSEMBLY (Continued)  
(Rear Axle)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
21	70930381	2	-	-	CONE, 1-3/4" bore (Replaces 73047855)(Early units)
	70929834	-	2	2	CONE (Second type)
22	73048823	2	-	-	CUP (Early units)
	70931637	-	2	2	CUP, 3-1/2" O.D. (Second type)
23	73048810	-	-	-	SPACER (.165" thick)(Early units)
	73065561	-	-	-	SHIM (.125" thick)
	73048811	-	-	-	SPACER (.166" thick)(Early units)
	73065562	-	-	-	SHIM (.126" thick)
	73048812	-	-	-	SPACER (.167" thick)(Early units)
	73065563	-	-	-	SHIM (.127" thick)
	73048813	-	-	-	SPACER (.168" thick)(Early units)
	73065564	-	-	-	SHIM (.128" thick)
	73048814	-	-	-	SPACER (.169" thick)(Early units)
	73065565	-	-	-	SHIM (.129" thick)
	73048815	-	-	-	SPACER (.170" thick)(Early units)
	73065566	-	-	-	SHIM (.130" thick)
	73048816	-	-	-	SPACER (.176" thick)(Early units)
	73065567	-	-	-	SHIM (.136" thick)
	73048817	-	-	-	SPACER (.182" thick)(Early units)
	73065568	-	-	-	SHIM (.142" thick)
	73048818	-	-	-	SPACER (.188" thick)(Early units)
	73065569	-	-	-	SHIM (.148" thick)
	73048819	-	-	-	SPACER (.194" thick)(Early units)
	73065570	-	-	-	SHIM (.154" thick)
	73048820	-	-	-	SPACER (.200" thick)(Early units)
	73065571	-	-	-	SHIM (.158" thick)
	73065560	1	1	-	CAGE ASSY., 1-7/8" high (Includes item 22)(Replaces 73048809) (For first service replacement on early units order item 32)
24	73069381	-	-	1	CAGE ASSY., 3-1/2" high (Includes item 22)
25	73048802	1	1	-	GASKET
26	73048835	1	1	-	SEAL
	71014878	-	-	1	SEAL
27	73048808	1	1	-	COVER ASSY. (Includes item 26)
	70923192	8	8	8	CAPSCREW, 7/16" NC x 1-1/2" (Replaces 70925193)
28	-----	1	1	-	YOKE ASSY. (Includes slinger)(Serviced only as a unit) (105D)
	-----	-	-	1	YOKE ASSY. (Includes slinger)(Serviced only as a unit) (105D)
29	73024633	1	1	1	WASHER, plain
30	73059730	1	1	1	NUT, slotted (Replaces 73007176)
	70904002	1	-	-	PIN, cotter, 1/8" x 1-3/4"
31	73048807	1	1	1	WASHER, thrust
32	73065559	1	1	-	KIT, cage and cup (Includes item 21 - second type, 24 and 1 SHIM each from item 23)
33	73061917	-	-	-	LOCKWIRE (100' roll - use as required)
34	73069534	1	1	1	KIT

Use as  
required

† included with item 34



# NO-SPIN DIFFERENTIAL (Rear Axle)

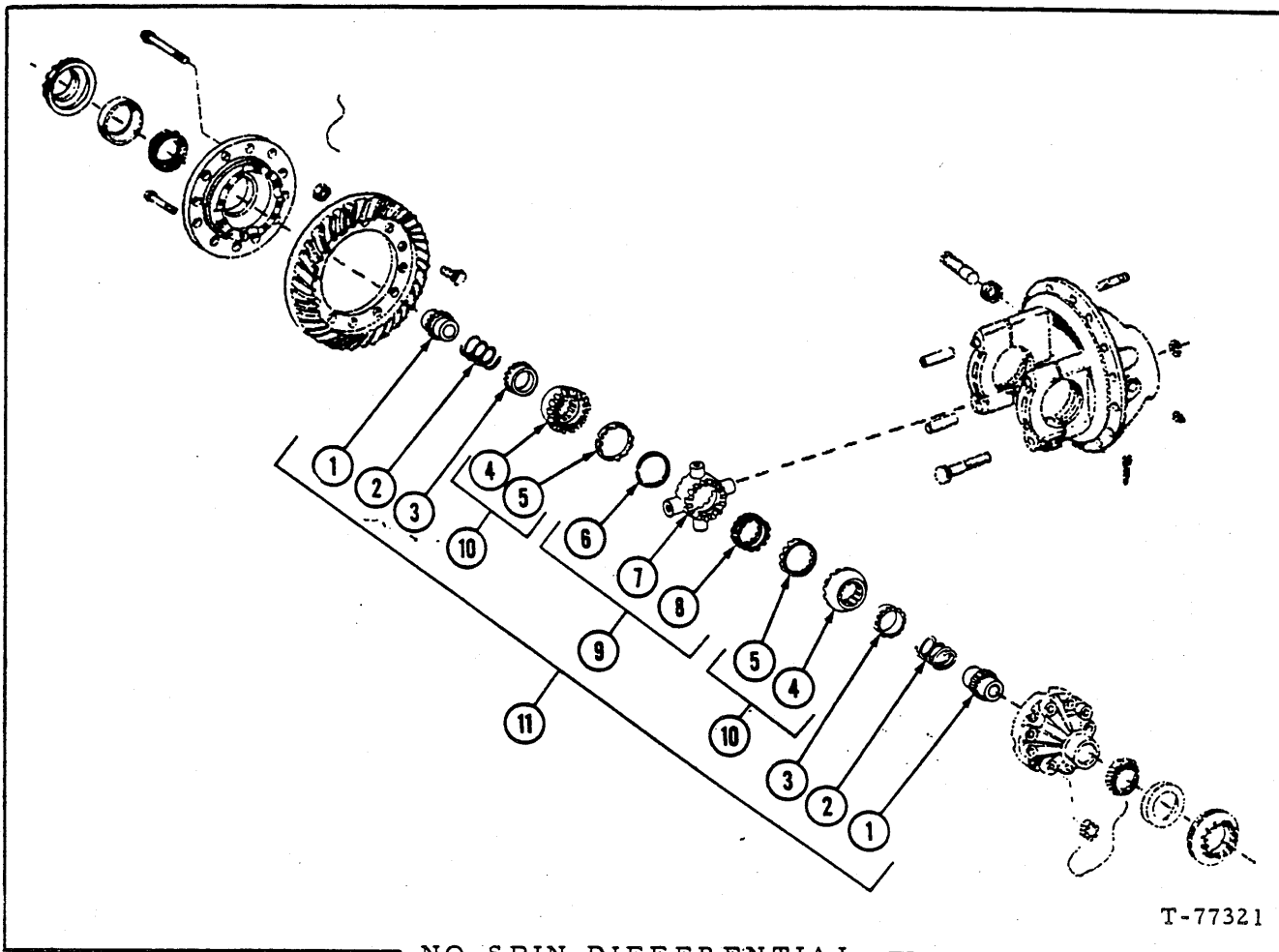
USAGE: Special Equipment. Used prior to axle s/n 7-73-0001. (See page 116 for axle s/n 7-73-0001 and up)

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: The following parts replace items 9 thru 13 on page 113, all other Differential Carrier parts are identical to those listed on pages 113 and 114.

1	73061090	2	GEAR
2	73061094	2	SPRING
3	73061101	2	RETAINER
4	-----	2	CLUTCH (Order item 10)
5	-----	2	RING (Order item 10)
6	-----	1	SNAP RING (Order item 9)
7	-----	1	SPIDER (Order item 9)
8	-----	1	CAM (Order item 9)
9	73061125	1	SPIDER ASSY. (Includes items 6 thru 8)
10	73063597	1	CLUTCH ASSY. (Includes items 4 and 5)
11	73059852	1	NO-SPIN ASSY. (Includes items 1 thru 10)





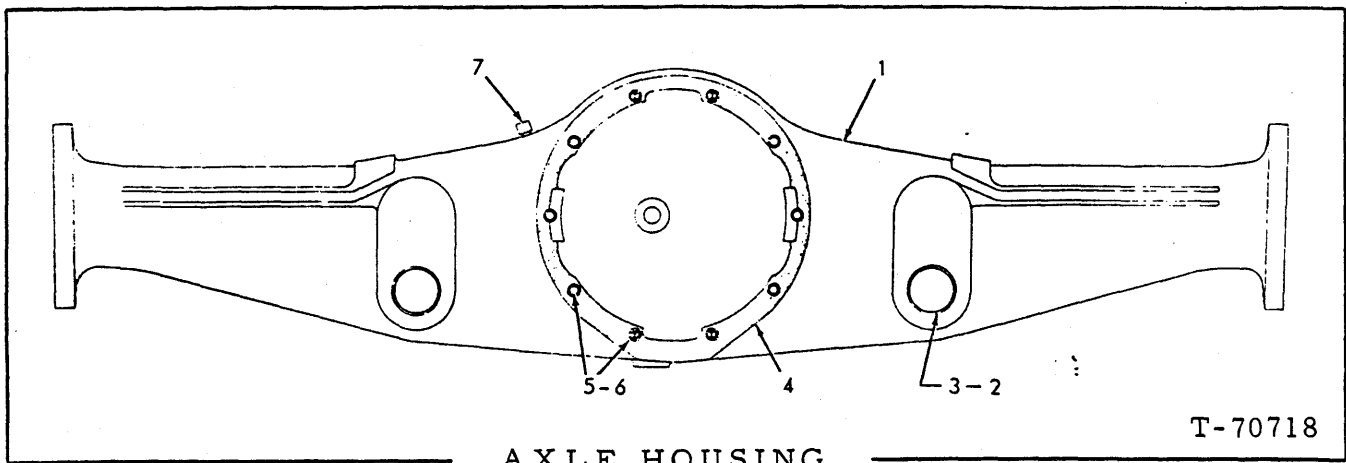
**NO-SPIN DIFFERENTIAL**  
(Rear Axle)

**USAGE:** Special Equipment. Effective with axle serial no. 7-73-0001. (See page 115 for axles prior to serial no. 7-73-0001.

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: The following parts replace items 9 thru 13 on page 113, all other Differential Carrier parts are identical to those listed on pages 113 and 114.

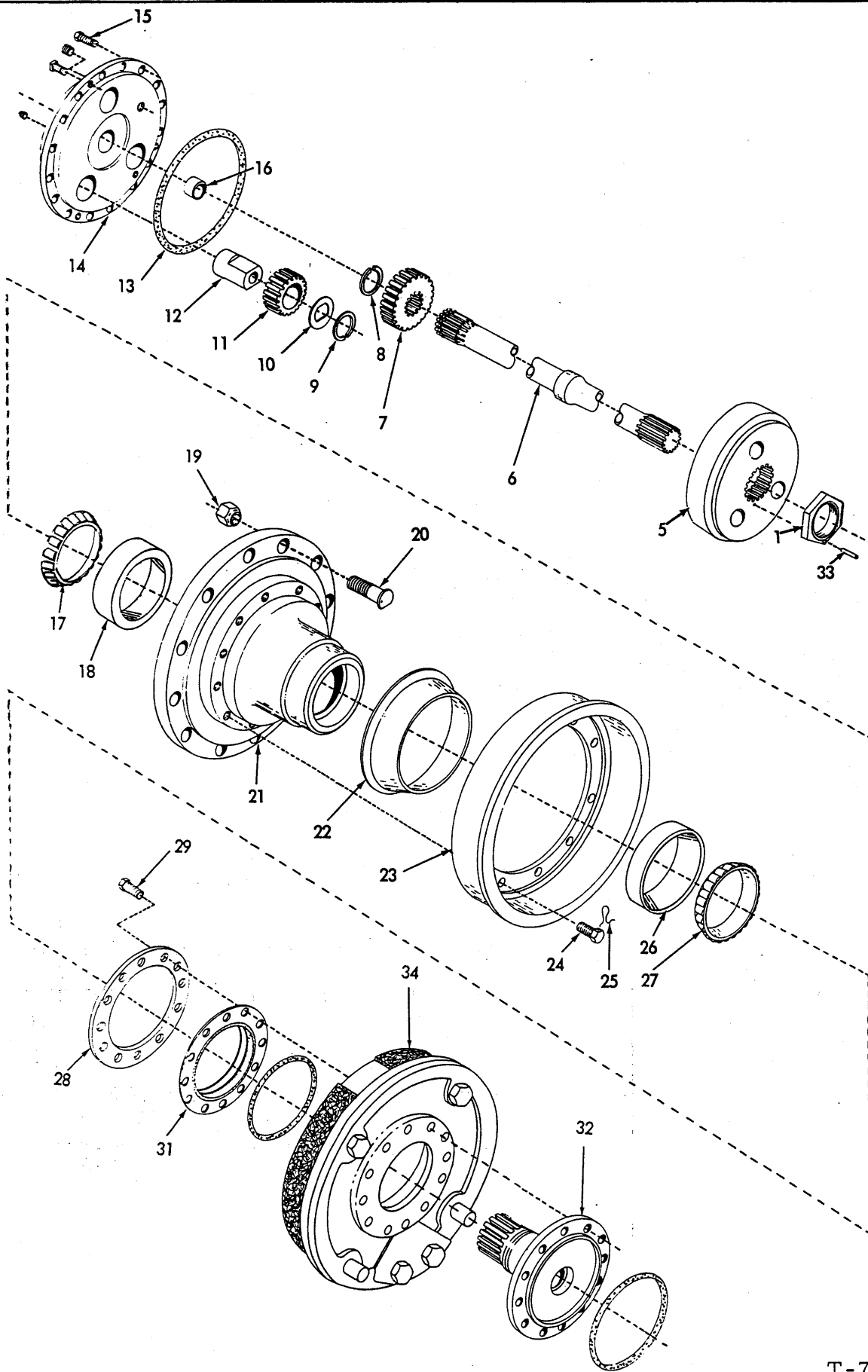
1	73062265	2	GEAR
2	73062266	2	SPRING
3	73062267	2	RETAINER
4	-----	2	CLUTCH (Order item 10)
5	-----	2	RING (Order item 10)
6	-----	1	SNAP RING (Order item 9)
7	-----	1	SPIDER (Order item 9)
8	-----	1	CAM (Order item 9)
9	73062273	1	SPIDER ASSY. (Includes items 6 thru 8)
10	73062632	1	CLUTCH ASSY. (Includes items 4 and 5)
11	73062264	1	NO-SPIN ASSY. (Includes items 1 thru 10)



T-70718

AXLE HOUSING  
(Rear Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73054312	1	HOUSING ASSY., rear axle (Includes 1 PLUG 70905262, 1 PLUG 70904224 items 2, 3 and 5)
	70905262	1	PLUG, pipe, 3/4" NPT
	70904224	1	PLUG, pipe, ctsk. hd., 3/4" NPT
2	73021833	4	BUSHING
3	73021840	2	SPACER
4	70930984	-	SEALANT, carrier to housing (3 oz. tube - use as required)
	73031990	6	STUD, carrier to housing (short)
5	73043811	1	STUD, carrier to housing (2-5/16" long)
	73066400	2	STUD, carrier to housing (3" long)
	73048828	1	STUD, carrier to housing (3-3/4" long)
6	70930734	10	LOCKNUT (Replaces 73043812)
	73062403	10	WASHER, plain (Special)
7	73007145	1	BREATHING



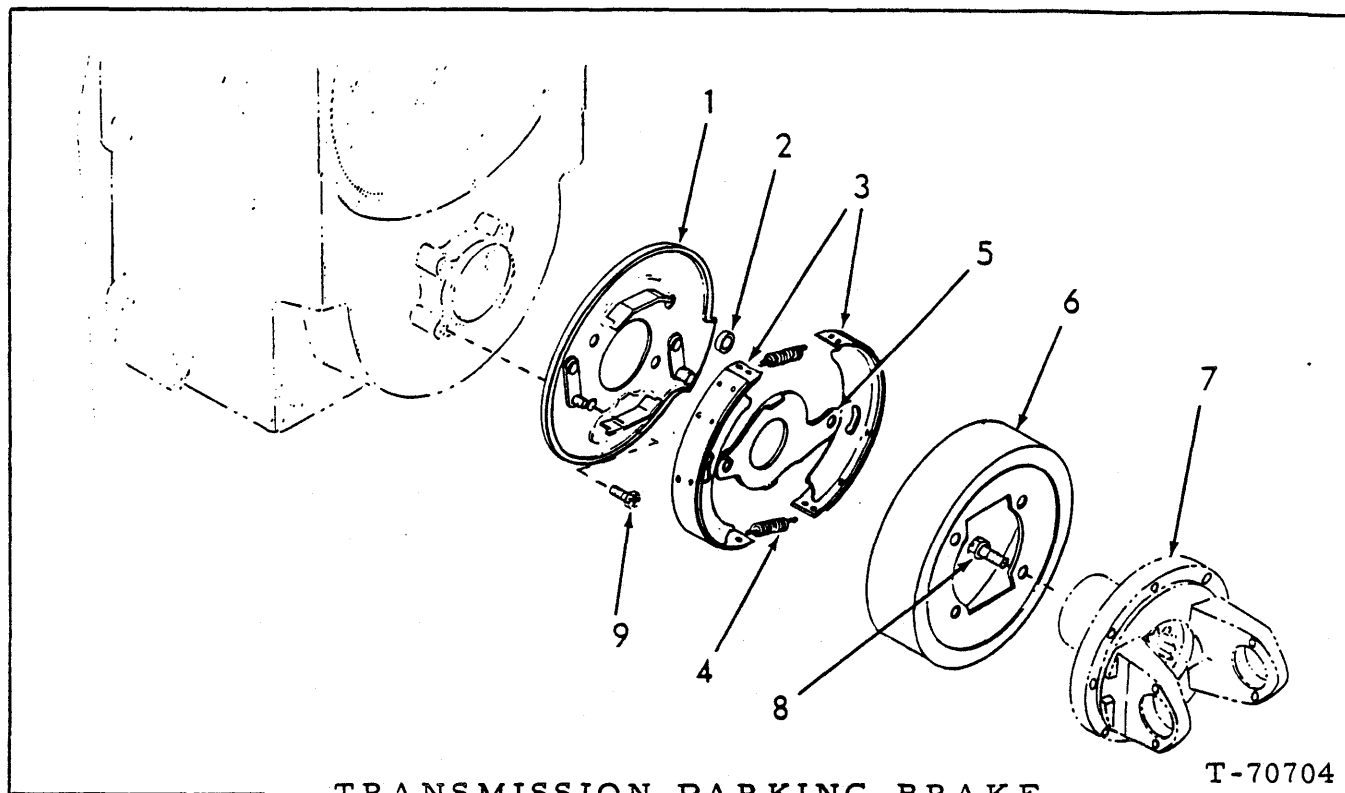
SHAFT AND HUB  
(Rear Axle)  
118

T-70723

## SHAFT AND HUB

(Rear Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73050699	2	NUT, adjusting hub bearing (Includes item 33)
5	73058550	2	GEAR
6	73048751	2	SHAFT
7	73028669	2	GEAR
8	73034907	2	RING, snap
9	73028656	6	RING, snap
10	73028654	6	WASHER
11	73028668	6	PINION
12	73058400	6	SHAFT
13	70930984	-	SEALANT (3 oz. tube - use as required)
14	73058456	2	SPIDER ASSY., planetary (Includes 3 SET- SCREW 70921432 and items 12 and 16)
15	73031761	32	CAPSCREW, spider to hub
	70921432	6	SETSCREW, sq. hd., dog point, 3/8" NC x 5/8"
	70901653	2	PLUG, pipe, 3/8" NPT (drain)
	70904224	2	PLUG, pipe, sq-skt., 3/4" NPT (filler)
16	73028657	2	BUTTON
17	73028645	2	CONE, outer
18	73028644	2	CUP, outer
19	73007152	24	NUT, wheel
20	73022121	24	STUD, wheel
21	73058545	2	HUB ASSY. (Includes items 18 and 26)
22	73058548	2	SLINGER
23	73058549	2	DRUM, brake
24	70921411	20	CAPSCREW, drum to hub (Replaces 73026068)
	73038206	20	WASHER
25	73024892	2	WIRE, locking, 16 ga. x 50" (early units only)
	73038206	20	WASHER, plain (Special)
26	70611774	2	CUP, inner
27	73042827	2	CONE, inner
28	73039135	2	SPACER
29	73054313	2	CAPSCREW, spindle to housing, 9/16" NC x 2-3/4"
	70928530	22	CAPSCREW, spindle to housing, 9/16" NC x 1-3/4"
31	73042826	2	SEAL
32	73058547	2	SPINDLE
	70923595	2	O-RING, sealing, spindle to oil seal (6-1/2" I. D.)
	70923596	2	O-RING, sealing, spindle to housing (6-3/4" I. D.)
33	73050698	2	PIN
34	-----	2	BRAKE ASSY. (See page 124)



# TRANSMISSION PARKING BRAKE

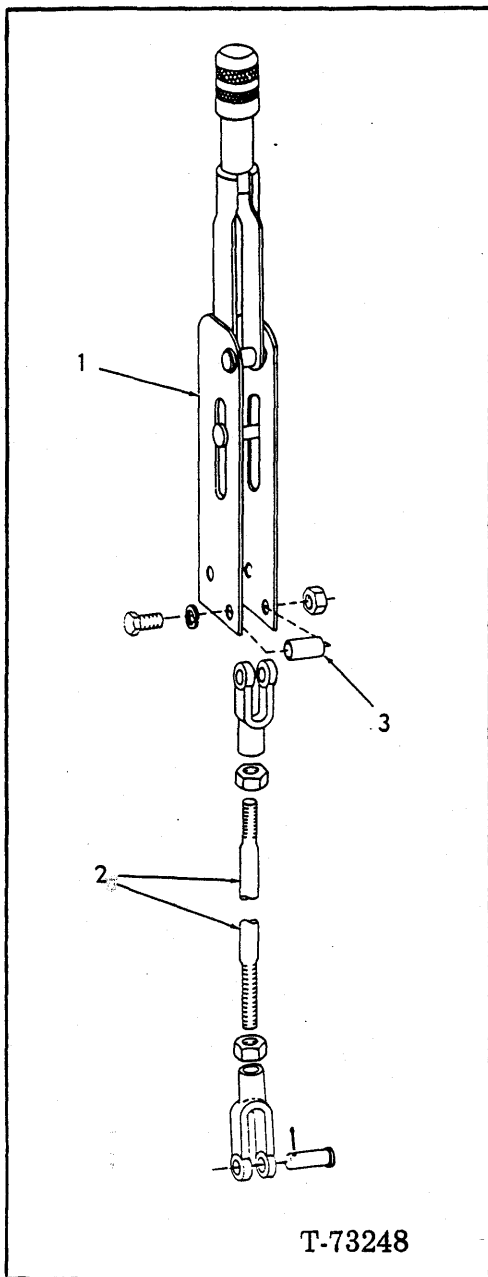
T-70704

USAGE: \* Transmission with 2-speed forward, 1-reverse (Standard and with axle disconnect)

\*\* Transmission with 2-speed forward, 2-reverse (Without axle disconnect)

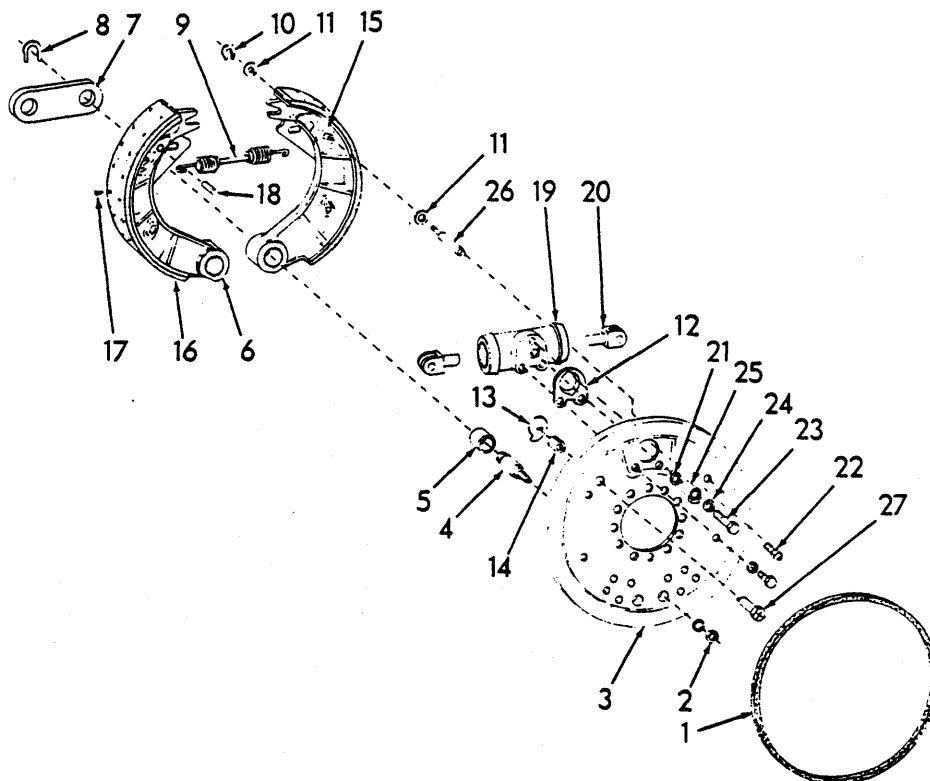
NOTE: See page 84 and 86.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
-	{ 73044363	1	-	BRAKE ASSY. (Includes items 1 thru 6)
	73045338	-	1	BRAKE ASSY. (Includes items 1 thru 6)
1	73044496	1	-	PLATE, backing
	73045339	-	1	PLATE, backing
2	73018606	1	1	ROLLER
3	73044498	2	2	SHOE ASSY. (Includes lining)(Serviced only as a unit)
4	73044499	2	2	SPRING
5	73044500	1	1	LEVER
6	73044501	1	1	DRUM
7	-----	-	-	YOKE (See page 84, 86)
8	73044506	4	4	CAPSCREW, 3/8" NF x 5/8"
9	73044495	4	4	CAPSCREW, 1/2" NC x 7/8"
-	73031056	1	1	LINING KIT (Consists of 2 lining and 24 rivets)



# PARKING BRAKE CONTROL

ITEM	PART NO.	QTY.	DESCRIPTION
1	74722511	1	LEVER ASSY. (Serviced only as a unit)
	70916394	1	CAPSCREW, 5/16"NFx2"
	70904205	1	LOCKWASHER, 5/16"
	70910233	1	NUT, 5/16" NF
	70916274	1	CAPSCREW, 3/8" NF x 2-1/4"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NF
2	73052574	1	ROD
	70917663	1	YOKE
	70929251	1	NUT, 5/16" NF
	70917665	1	YOKE, end
	70910876	1	NUT, jam, 7/16" NF
	70917647	1	PIN
	70918448	1	PIN, cotter, 3/32" x 1"
3	73071690	2	SPACER



T-75691

# BRAKE ASSEMBLY (Front Axle)

NOTE: Quantity indicated is for one brake assy. only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	SEAL, felt (Not used in this application)
2	70910365	1	NUT, 7/8" NF
	70905347	2	LOCKWASHER, 7/8"
3	73055338	1	PLATE ASSY., backing (Includes anchor, rivets and items 13, 14, 26 and 27)
4	73048462	2	PIN
5	73027620	2	† BUSHING
6	73058535	2	SHOE ASSY.
7	73027613	1	LINK
8	73024764	2	WASHER
9	73048461	1	SPRING
10	73027612	2	WASHER
11	73055327	4	WASHER
12	73055339	1	SPACER
13	73022262	2	CAM
14	73055349	2	SPRING
15	-----	2	† SHOE
16	-----	2	† LINING
17	70921430	32	† RIVET, 3/16" X 1/2" } also see item 28
18	-----	-	PIN (Not used in this application)

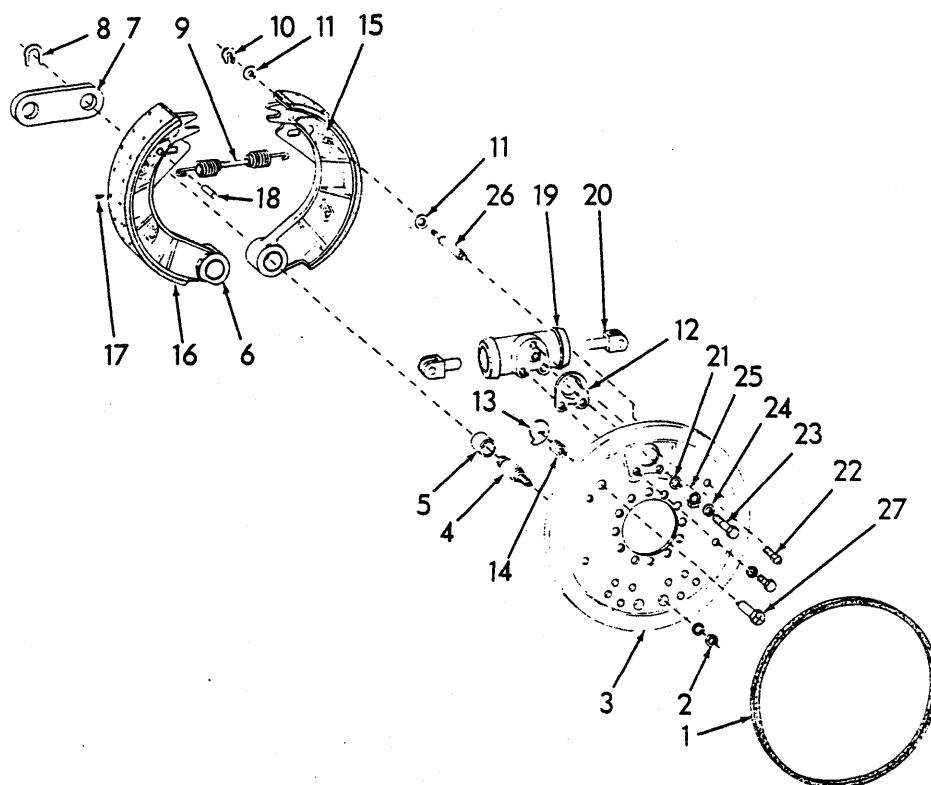
(Continued)

BRAKE ASSEMBLY (Continued)  
(Front Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
19	73021892	1	CYLINDER ASSY. (See page 126)
	70903631	2	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	2	LOCKWASHER, 3/8"
20	73014535	2	ROD
21	73006799	1	WASHER
22	73014534	1	SCREW (bleeder)
23	73014537	1	BOLT
24	73006797	1	WASHER
25	73014536	1	CONNECTOR
26	73055332	2	PIN
27	73055331	2	BOLT ASSY. (Includes washer)
28	73058675	1	LINING KIT (Consists of 4 item 16 and 68 item 17)

† included with item 6





**BRAKE ASSEMBLY**  
(Rear Axle)

T-75691

NOTE: Quantity indicated is for one brake assy. except item 28.

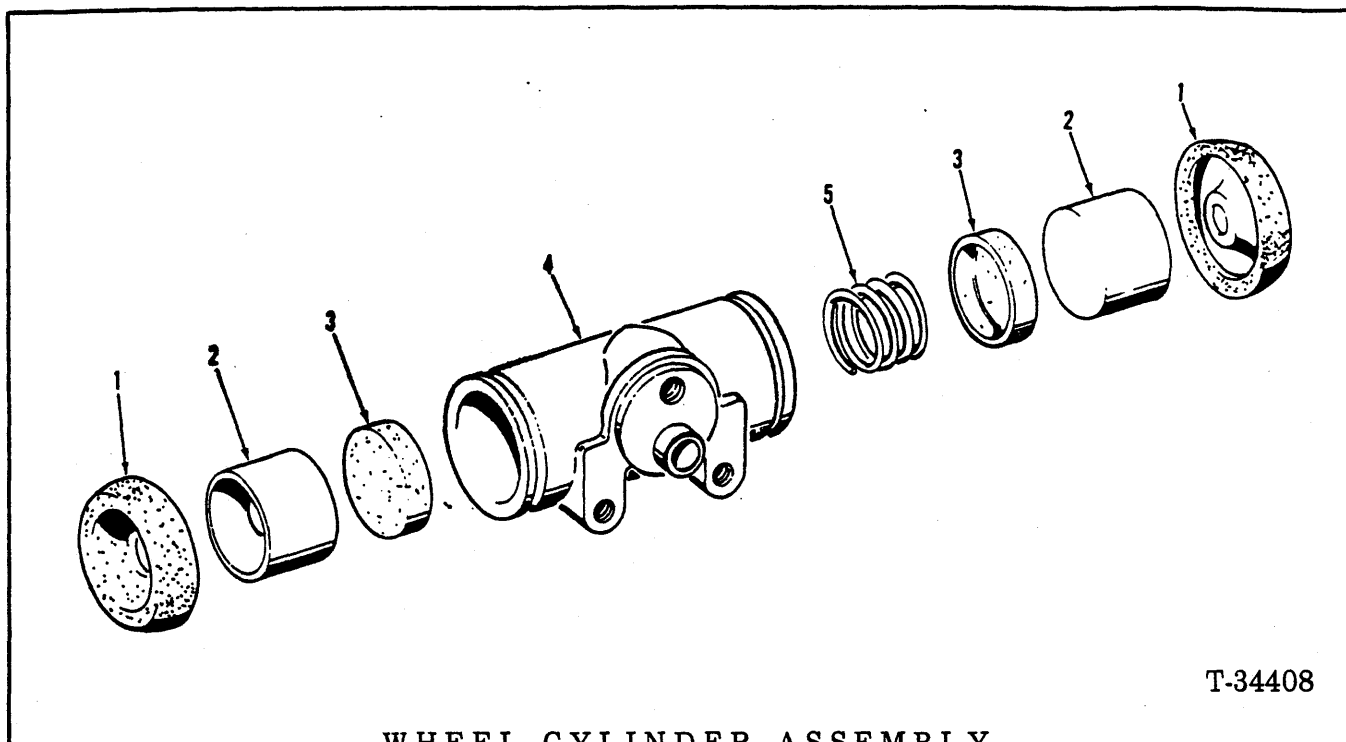
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	SEAL, felt (Not used in this application)
2	70910365	2	NUT, 7/8" NF
	70905347	2	LOCKWASHER, 7/8"
3	73058541	1	PLATE ASSY., backing (Includes anchor, rivets and items 13, 14, 26 and 27)
4	73058543	2	PIN
5	73027620	2	BUSHING
6	73058535	2	SHOE ASSY.
7	73027613	1	LINK
8	73024764	2	WASHER
9	73048461	1	SPRING
10	73027612	2	WASHER
11	73055327	4	WASHER
12	-----	1	SPACER (Not used in this application)
13	73022262	2	CAM
14	73058909	2	SPRING
15	-----	2	† SHOE
16	-----	2	† LINING
17	70921430	32	† RIVET, 3/16" x 1/2" } also see item 28
18	-----	-	PIN (Not used in this application)
19	73021892	1	CYLINDER ASSY., wheel (See page 126)
	70916269	2	CAPSCREW, 3/8" NC x 7/8"
	70910287	2	LOCKWASHER, 3/8"

(Continued)

B R A K E A S S E M B L Y (Continued)  
(Rear Axle)

ITEM	PART NO.	QTY.	DESCRIPTION
20	73014535	2	ROD
21	73006799	1	WASHER
22	73022124	1	SCREW
23	73014537	1	BOLT
24	73006797	1	WASHER
25	73014536	1	CONNECTOR
26	73058905	2	PIN
27	73058542	2	BOLT ASSY., shoe adjusting (Includes washer)
28	73058675	1	LINING KIT (includes 4 item 16 and 68 item 17)

† included with item 6



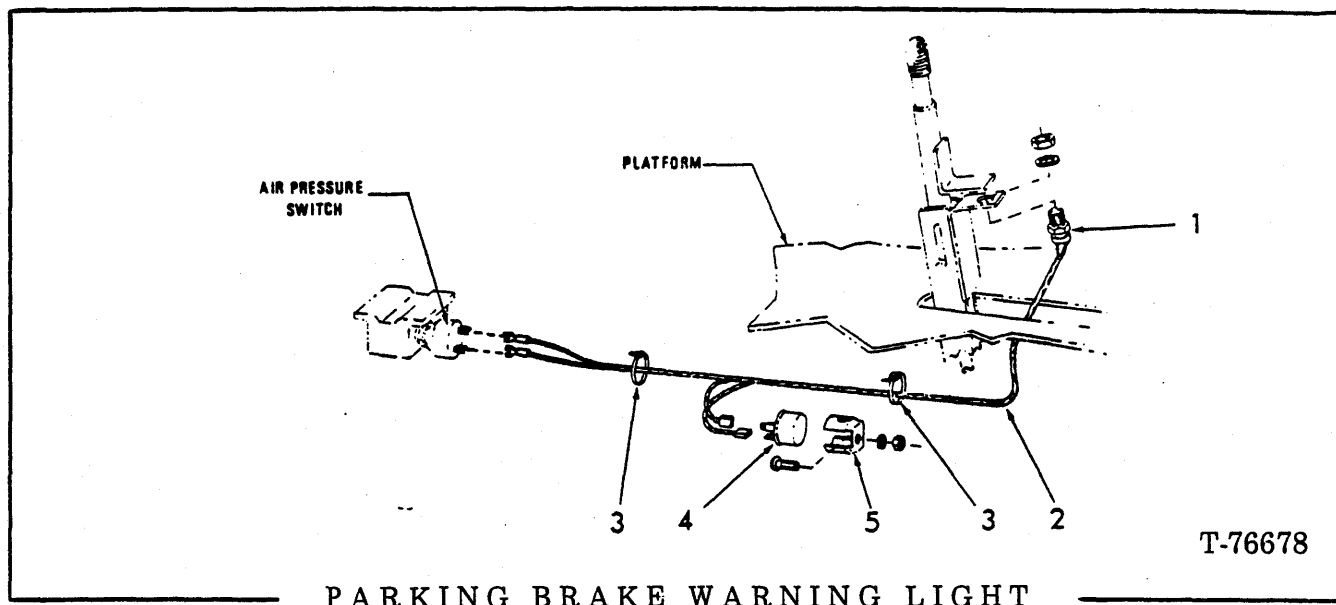
T-34408

# WHEEL CYLINDER ASSEMBLY (Front and Rear Axle)

USAGE: See page 123 or 125.

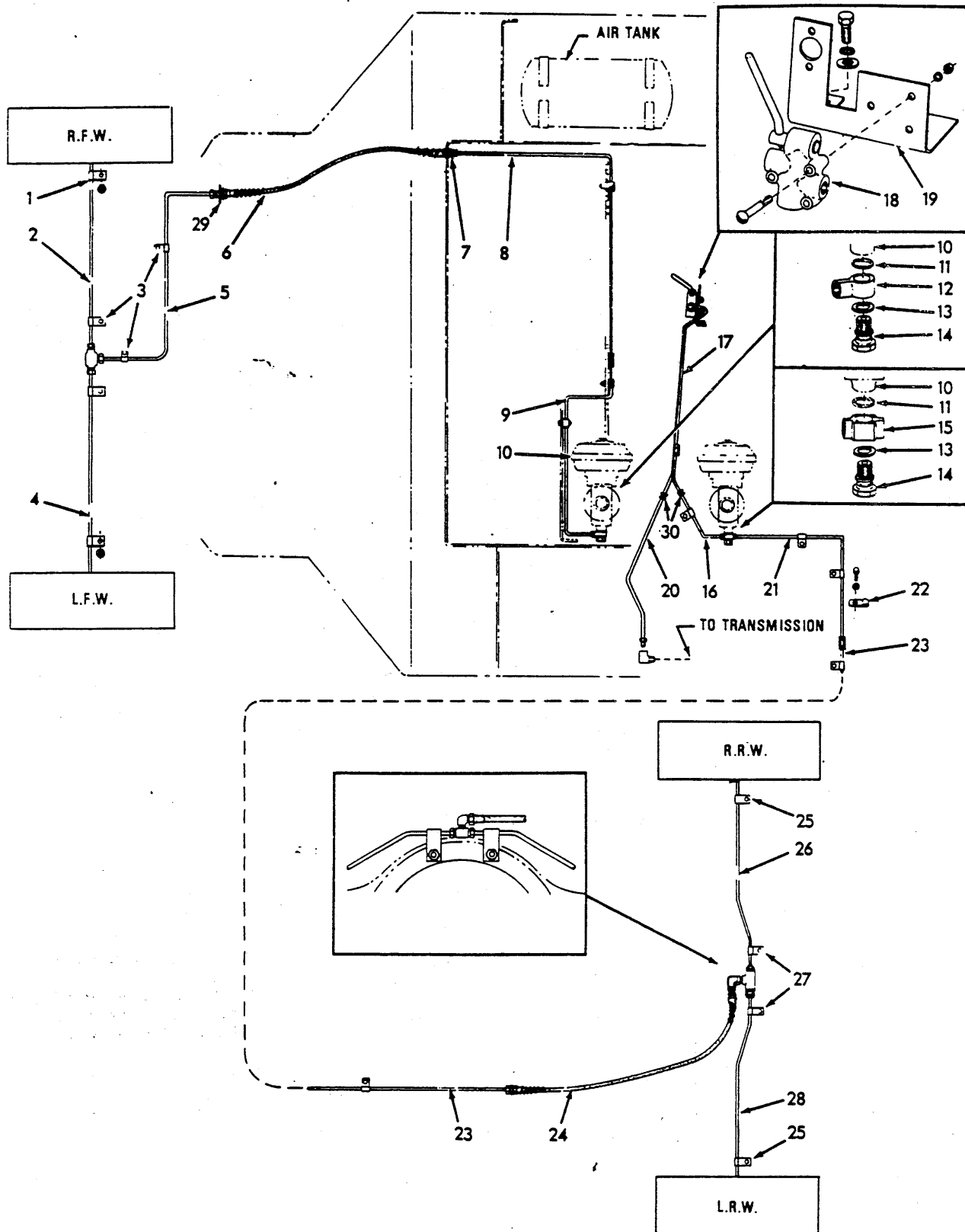
NOTE: Quantity shown is for one CYLINDER ASSY.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73021892	1	CYLINDER ASSY. (Includes items 1 thru 5)
1	73021895	2	BOOT
2	70067503	2	PISTON
3	70067504	2	CUP
4	-----	1	HOUSING (Order CYLINDER ASSY.)
5	70067505	1	SPRING
-	73021893	1	REPAIR KIT (Consists of items 1 and 3)



USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057506	1	SWITCH (Includes attaching hardware)
2	73058804	1	HARNESS
3	70925094	2	CLIP, harness support
4	70248109	1	FLASHER
5	70245562	1	BRACKET
	70925369	1	SCREW, No. 10 NF x 5/8"
	70917365	1	LOCKWASHER, No. 10
	70917415	1	NUT, No. 10 NF
6	73068196	1	DECAL, parking brake / low air pressure (applied to instrument panel)



T-76679

# HYDRAULIC BRAKE SYSTEM

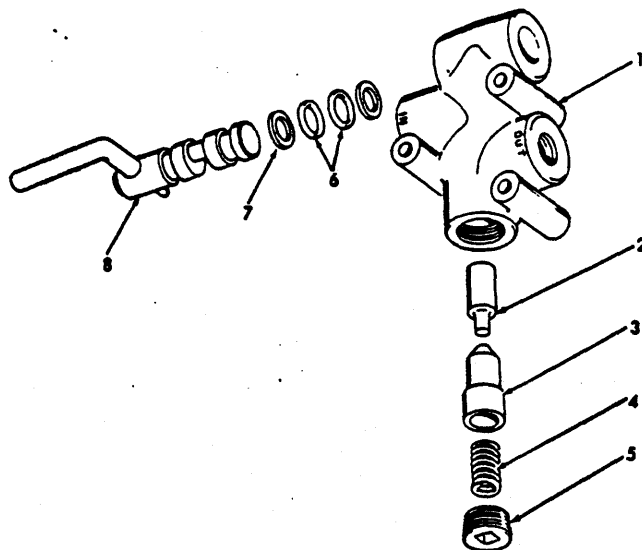
# HYDRAULIC BRAKE SYSTEM

ITEM	PART NO.	QTY.	DESCRIPTION
1	73002737	2	CLIP
	70910511	2	NUT, jam, 5/8" NF
2	73057751	1	TUBE
	70922248	1	TEE, inverted flare, 1/4" tube
3	73006769	4	CLIP
	70923683	2	CAPSCREW, self-tapping, 3/8" NC x 3/4"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70910244	4	WASHER, plain 1/2"
	70910195	2	NUT, jam, 1/2" NF
4	73057754	1	TUBE
5	73044665	1	TUBE
6	73043197	1	HOSE ASSY. (Serviced only as a unit)
7	70910345	1	NUT, 5/8" NF
8	73057423	1	TUBE
	70925604	1	CLIP
	70916271	1	CAPSCREW, 3/8" NC x 1"
	70904206	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC
9	73057748	1	TUBE
	70919982	1	UNION, 1/4" tube, 7/16" NPT
	70925604	1	CLIP
	70916271	1	CAPSCREW, 3/8" NC x 1"
	70904206	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC
10	-----	-	CLUSTER ASSY. (See page 138)
11	73006799	2	WASHER
12	73006806	1	FITTING
13	73006797	2	WASHER
14	73007115	2	BOLT
15	73024148	1	TEE
16	73068395	1	TUBE (used with emergency steering pp. 270-272)
	73064048	1	TUBE
	70919982	1	UNION, flare type, 1/4" tube, 7/16" NPT
	73016496	1	CLIP, (attached by existing capscREW) tube support
	70925604	1	CLAMP (used with 73068395)
17	73050501	-	TUBE
	70913704	-	ELBOW, inverted flare, 1/4" tube
18	73012490	1	VALVE ASSY. (See page 131)
	70917448	3	CAPSCREW, rd. hd., # 10 NC x 2"
	70904203	3	LOCKWASHER, # 10
	70916621	3	NUT, # 10 NC
19	73050472	1	BRACKET
	70915408	2	CAPSCREW, 3/8" NC x 3/4"
	70900817	2	WASHER, plain, U. S. std., 3/8"
	70904206	2	LOCKWASHER, 3/8"

(Continued)

# HYDRAULIC BRAKE SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	73050517 .	1	TUBE ASSY.
	70913704	1	ELBOW, flare type, 1/4" Tube, 7/16" NPT
21	73057420	1	TUBE
	70925604	2	CLIP
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70900817	2	WASHER, plain, US std., 3/8"
	70910324	2	NUT, 3/8" NC
22	73016496	1	CLIP,
	70916270	1	CAPSCREW, 3/8" NC x 1/2"
	70904206	1	LOCKWASHER, 3/8"
23	73057416	1	TUBE
	70919982	1	UNION, tube to hose, 1/4" tube, 7/16" NPT
24	73043280	1	HOSE ASSY. (Serviced only as a unit)
	70910345	1	NUT, jam, 5/8" NF
	70915842	1	ELBOW, inverted flare, 1/4" tube
25	73002737	2	CLIP
	70911100	2	WASHER, plain, SAE std., 5/8"
	70915023	4	NUT, 9/16" NF
26	73057753	1	TUBE
	70915841	1	TEE, inverted flare, 1/4" tube
27	73006769	2	CLIP
	70900817	4	WASHER, plain, U.S. std., 3/8"
	70910876	2	NUT, jam, 7/16" NF
28	73057752	1	TUBE
29	73044159	1	BRACKET, tube support (Not Illustrated)
30	70925425	2	GROMMET (Used at floor plate with items 16 and 20)



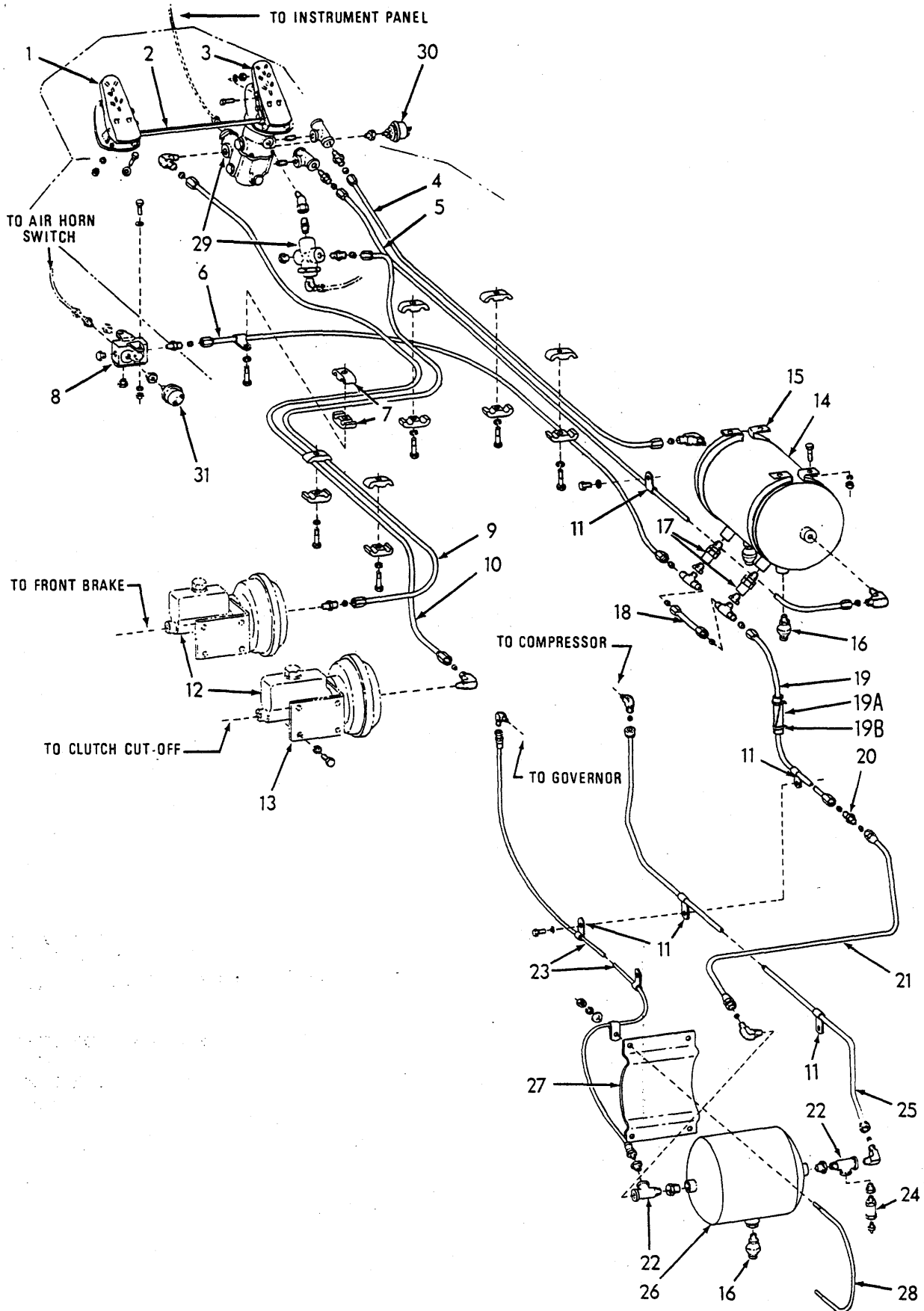
T-29389

# CLUTCH CUT-OFF VALVE

USAGE: See page 128.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73012490	1	VALVE ASSY. (Includes items 1 thru 8)
1	-----	1	HOUSING (Order VALVE ASSY.)
2	73014044	1	FOLLOWER
3	73014043	1	PLUNGER
4	73014042	1	SPRING
5	70907856	1	PLUG, 3/8" NPT
6	70923663	2	O-RING (Also order item 7)
7	73014045	2	RING, back-up (Also order item 6)
8	73014046	1	CAM ASSY. (Includes lever)(Serviced only as a unit)





AIR BRAKE SYSTEM

T-76665

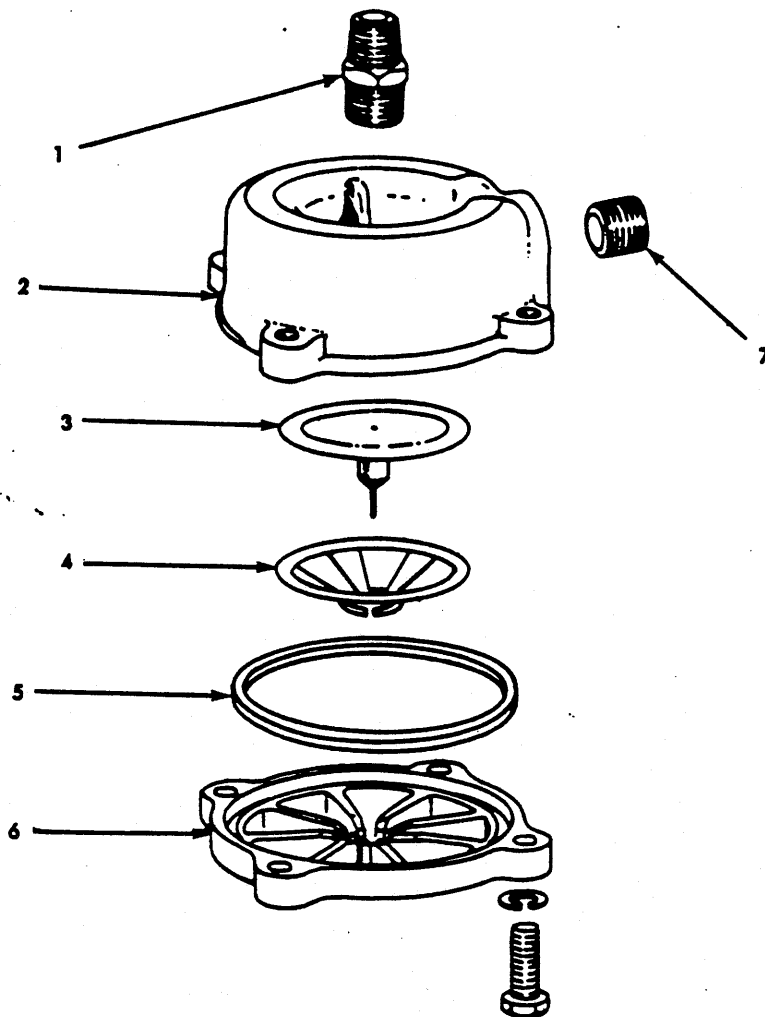
# AIR BRAKE SYSTEM

ITEM	PART NO.	QTY.	DESCRIPTION
1	73047506	1	TREADLE ASSY., (Includes items 1, 3, and 6 on page 153)
	70921333	3	CAPSCREW, 5/16" NC x 1"
	70910335	3	WASHER, plain, SAE std., 5/16"
	70904205	3	LOCKWASHER, 5/16" (use as required)
	70910323	3	NUT, 5/16" NC
2	73054055	1	BAR
	70916271	4	CAPSCREW, 3/8" NC x 1"
	70910287	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8" NC
3	-----	-	VALVE ASSY., air application brake (See page 153)
	70921333	3	CAPSCREW, 5/16" NC x 1"
	70910335	3	WASHER, plain, SAE std., 5/16"
	70904205	3	LOCKWASHER, 5/16" (use as required)
	70910323	3	NUT, 5/16" NC
	70918951	2	PLUG, 3/8" NPT
4	73057995	1	TUBE ASSY.
	70917368	1	NIPPLE, 3/8" x 1" NPT
	70929233	1	TEE, 3/8" NPT, female
	70917354	1	CONNECTOR, compression type, 1/2" tube, 3/8" NPT male
	70917370	1	ELBOW, compression type, 1/2" tube, 3/8" NPT male
	70918951	1	PLUG, 3/8" NPT
5	73057993	1	TUBE ASSY.
	70917368	1	NIPPLE, 3/8" x 1"
	70929233	1	TEE, 3/8" NPT, female
	70917354	1	CONNECTOR, compression type, 1/2" tube, 3/8" NPT male
	70917370	1	ELBOW, compression type, 1/2" tube, 3/8" NPT male
	70924636	1	PLUG, 1/2" NPT
6	73057994	1	TUBE ASSY.
	70917354	1	CONNECTOR, compression type, 1/2" tube, 3/8" NPT male
	70925094	1	CLIP
7	73059261	12	CLAMP
	70910287	6	LOCKWASHER, 3/8"
	70915408	6	CAPSCREW, 3/8" NC x 3/4"
8	73057492	1	BLOCK
	70916285	2	CAPSCREW, 1/4" NC x 1"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4" NC
	70917425	4	PLUG, 1/4" NPT (1 more used on Loader series 33A)
9	73057994	1	TUBE ASSY.
	70917354	1	CONNECTOR, compression type, 1/2" tube, 3/8" NPT male
	70924816	1	CONNECTOR, compression type, 1/2" tube, 1/4" NPT male
10	73057992	1	TUBE ASSY.
	70917370	1	ELBOW, compression type, 1/2" tube, 3/8" NPT male
	70919581	1	ELBOW, compression type, 1/2" tube, 1/4" NPT male
11	73006816	5	CLIP
	70915408	1	CAPSCREW, 3/8" NC x 1/2"
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70910287	4	LOCKWASHER, 3/8"
	70911115	1	WASHER, 3/8"

(Continued)

# AIR BRAKE SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	-----	2	CLUSTER ASSY. (See page 138)
13	-----	2	BRACKETS, mounting, (See page 138)
	70910287	8	LOCKWASHER, 3/8"
	70916271	8	CAPSCREW, 3/8" NC x 1"
14	73057369	1	TANK
15	73057494	2	BRACKET
	70916271	4	CAPSCREW, 3/8" NC x 1"
	70910287	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8" NC
16	73029259	3	COCK
	70917503	1	BUSHING
17	73031609	2	VALVE
	70901835	2	BUSHING, reducing, 1/2" to 3/8" NPT
18	73057996	1	TUBE ASSY.
	70919526	2	TEE, compression type, 1/4" tube, 3/8" NPT male
19	73057997	1	TUBE ASSY.
19a	71005176	1	HOSE
19b	70925094	1	CLIP
20	70919503	1	UNION, compression type, 1/2" tube, str. thd.
21	73058200	1	TUBE, copper 1/2" O. D. x 31-5/8" lg.
	70921189	2	NUT, compression type, 1/2"
	70912793	2	SLEEVE, compression type, 1/2" tube
	70921186	1	ELBOW, compression type, 1/2" tube, 1/2" U.S. std.
22	70914087	2	TEE
	70917430	2	BUSHING, U.S. std., reducing 3/4" to 1/2"
	70917503	1	BUSHING, U.S. std., pipe reducing 1/2" to 1/4"
	70917502	1	BUSHING, U.S. std., pipe reducing 1/2" to 1/8"
23	73058199	1	TUBE ASSY.
	70910161	1	ELBOW, flare type, 1/4" tube, 7/16" straight thd. male
	70927154	2	CLIP, tube support attached by existing hdw.
24	70160425	1	VALVE
25	73059137	1	TUBE
	70921021	1	ELBOW, 90°, 1/2" tube, 1/2" NPT male
	70920399	1	ELBOW, 90°, 1/2" tube 3/8" NPT male
	70917811	2	NUT, compression type 1/2"
	70929132	2	SLEEVE, compression type 1/2"
26	73057370	1	TANK
27	73057826	2	FILLER
28	73057825	2	U-BOLT
	70911115	4	WASHER, plain, SAE std., 3/8"
	70910287	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8" NC
29	73058282	2	VALVE
	70917368	1	NIPPLE, 3/8" x 1" NPT
	70928861	1	NIPPLE, 3/8" x 1-1/2" NPT
	70929234	1	ELBOW, 3/8" male-female, NPT
	70918951	1	PLUG, 3/8" NPT
30	73031667	1	SWITCH
	70917351	1	BUSHING, reducer, 3/8" to 1/4" NPT
31	73075841	1	SWITCH
	70901834	1	BUSHING, reducer, 1/4" to 1/8" NPT

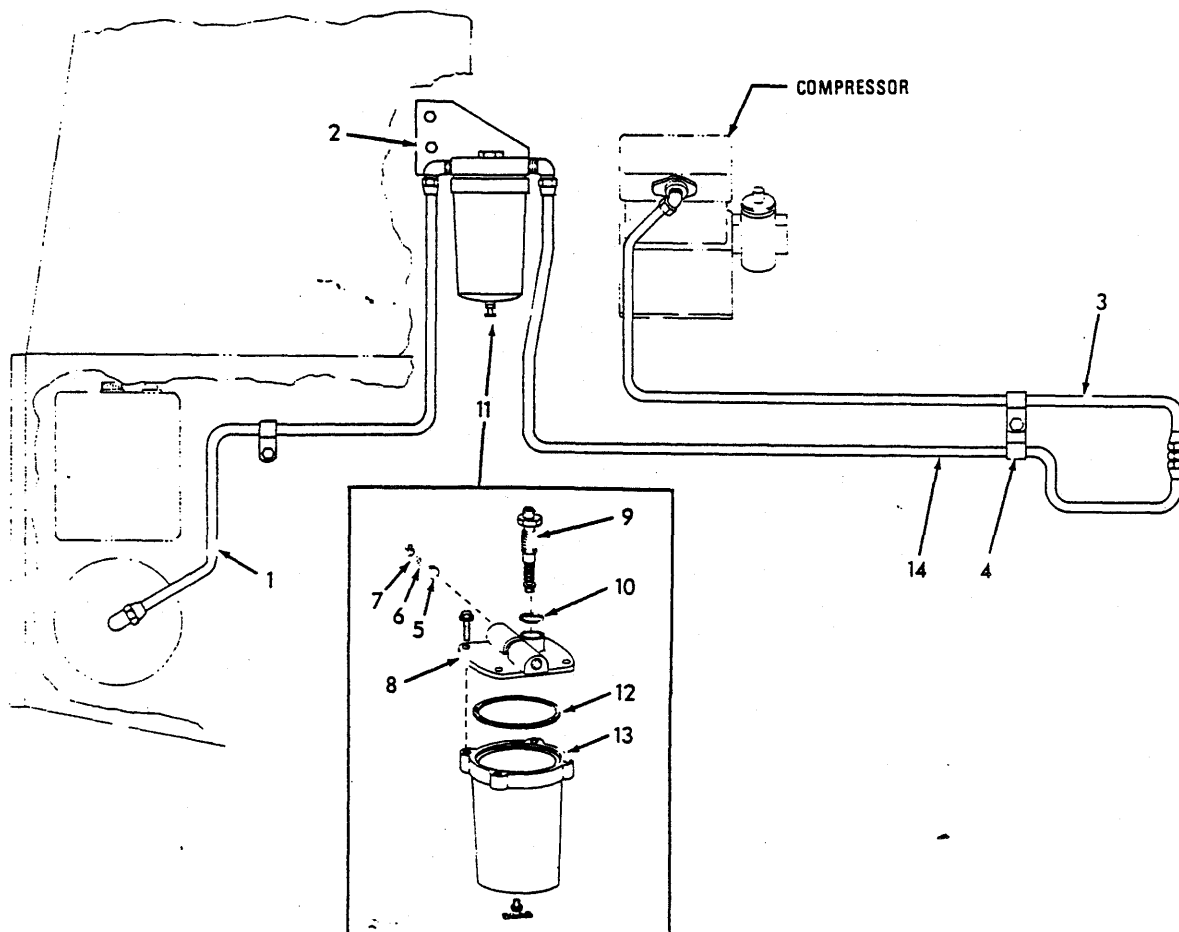


AIR TANK DRAIN VALVE  
(Moisture Ejector)

T-74160

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	73103486	1	VALVE ASSY (Includes items 1 thru 6)
1	73065080	1	ADAPTER
2	-----	1	BODY (Order complete VALVE ASSY.)
3	73104683	1	VALVE ASSY.
4	73104684	1	GUIDE, valve (nylon)
5	73104685	1	RING, seal
6	-----	1	COVER (Order complete VALVE ASSY.)
	70915813	4	CAPSCREW, cd. pltd., 5/16" NC x 7/8"
	70917356	4	LOCKWASHER, pltd., 5/16"
7	70918887	1	PLUG, 3/8" NPT



T-76688

# ALCOHOL INJECTOR

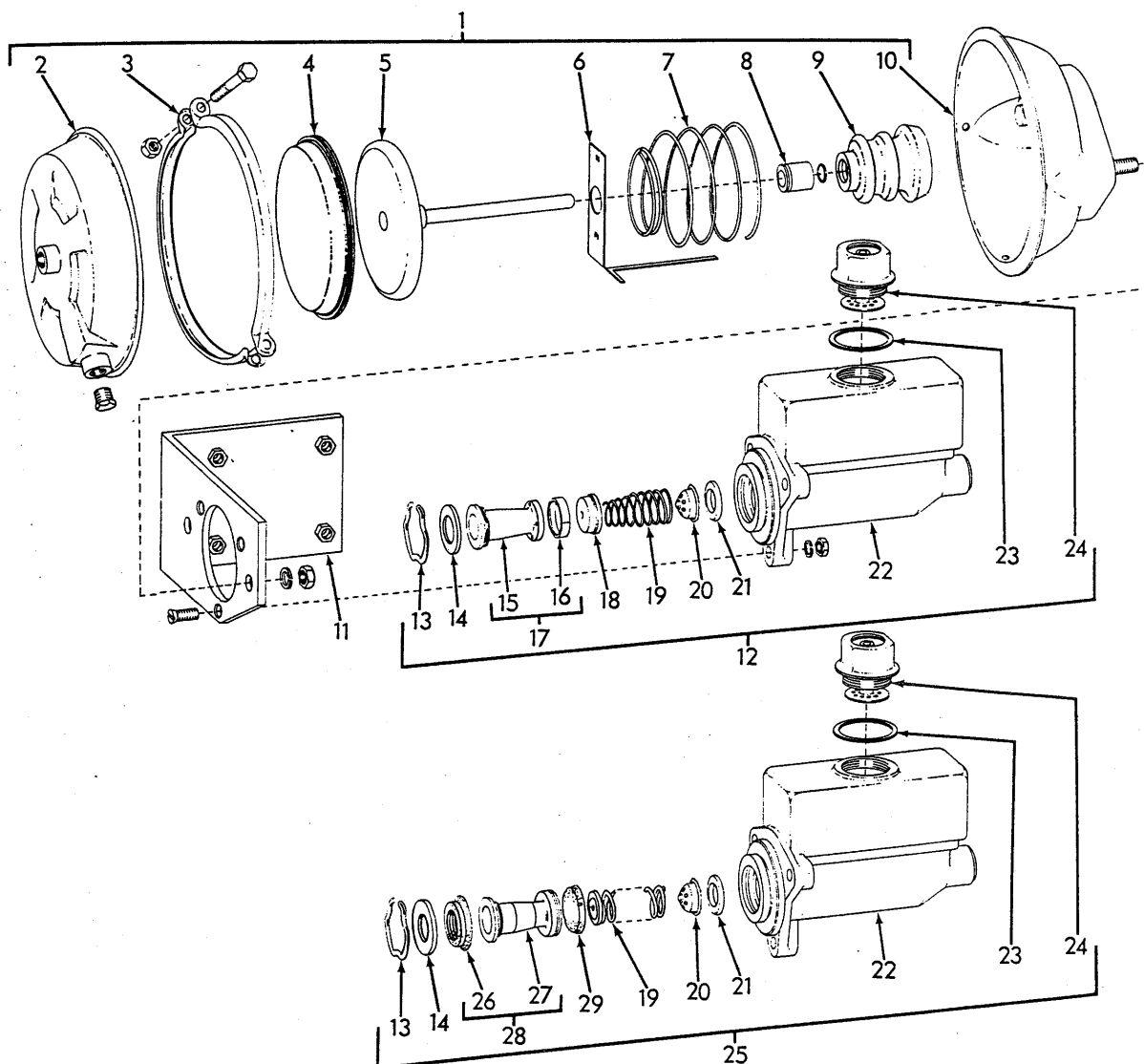
USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058102	1	TUBE
	70921021	1	ELBOW, 90°, 1/2" tube, 1/2" NPT
	70929132	2	SLEEVE
	70917811	2	NUT, 1/2"

(Continued)

## ALCOHOL INJECTOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	73058107	1	PLATE
	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8"NC
3	73058104	1	TUBE
	70929132	2	SLEEVE
	70917811	2	NUT, 1/2"
	70928626	1	UNION
4	73006816	2	CLIP
	70923683	1	CAPSCREW, 3/8"NC x 3/4"
5	-----	1	VALVE
6	-----	1	SPRING Order item 15
7	-----	1	RETAINER
8	73059054	1	COVER ASSY.
	70916271	4	SCREW, self-tapping, 5/16"
	70904206	1	WASHER
	70911115	1	WASHER
9	73059055	1	VALVE
10	-----	1	SEAL (Order item 15)
11	73059030	1	ALCOHOL INJECTOR ASSY. (Includes items 5 thru 10, 12 and 13)
12	-----	1	SEAL (Order item 15)
13	73048741	1	RESERVOIR
	70915514	1	COCK, drain 1/8"NPT
14	73058103	1	TUBE
	70921021	1	ELBOW, 90°, 1/2" tube, 1/2"NPT
	70929132	2	SLEEVE
	70917811	2	NUT, 1/2"
15	73048750	1	KIT, repair, alcohol injector (Includes items 5 thru 7, 10 and 12)
16	73108819	2	DECAL, warning (radiator support)



# POWER CLUSTER

T-80450

USAGE: \* First type  
 \* \* Second type - service replacement } See page 134

NOTE: Quality indicated is for one CLUSTER ASSY.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
-	73057830	1	1	POWER CLUSTER ASSY. (includes items 1 thru 10 and 25)
1	73058737	1	1	CHAMBER ASSY. (includes items 2 thru 7 and 10)
2	73058741	1	1	PLATE ASSY.
	70919840	1	1	PLUG, 1/4" pipe
3	73058743	2	2	BAND
	70925882	2	2	CAPSCREW, 3/8" NF x 2"
	70923434	2	2	NUT, 3/8" NF

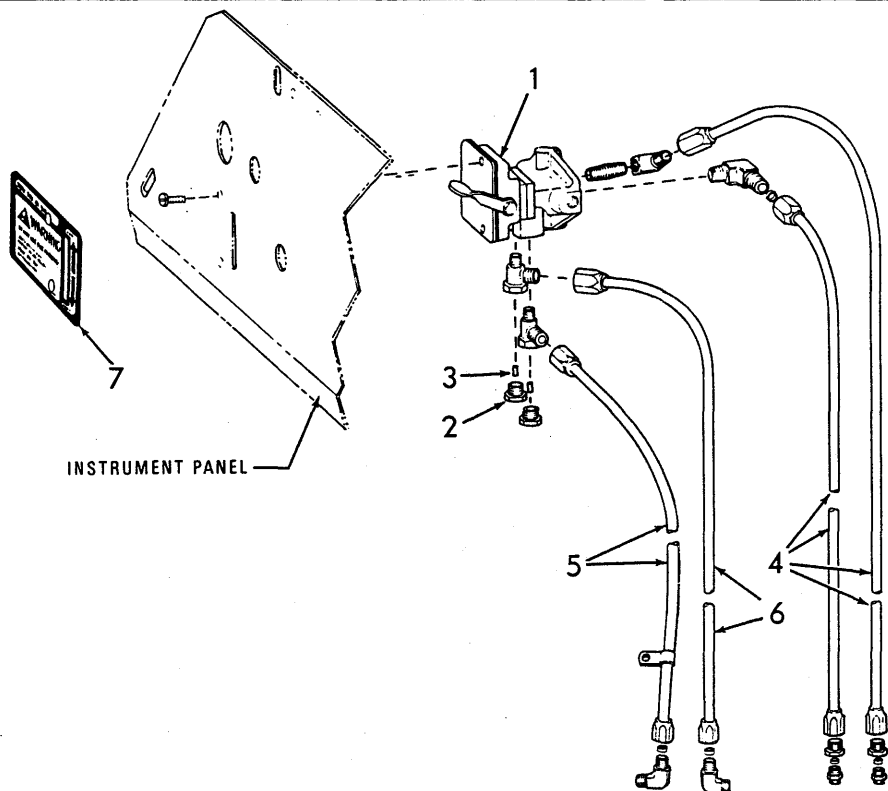
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## POWER CLUSTER (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
4	73058744	1	1	DIAPHRAGM
5	73058742	1	1	ROD
6	73058746	1	1	INDICATOR
7	73058745	1	1	SPRING
8	73058739	1	1	RETAINER
	70923845	1	1	O-RING
9	70067487	1	1	BOOT
10	73058740	1	1	PLATE ASSY.
	70912942	2	2	LOCKWASHER, 5/8"
	70922014	2	2	NUT, 5/8" NF
11	73058738	1	1	PLATE
12	-----	1	-	CYLINDER ASSY (order item 25)
	70929133	3	-	SCREW, machine, 3/8" NF x 1-1/4"
	70910287	3	-	LOCKWASHER, 3/8"
	70910123	3	-	NUT, 3/8" NF
13	70067488	1	1	WIRE
14	73050544	1	1	PLATE
15	-----	1	-	PISTON
16	-----	1	-	CUP
17	-----	1	-	PISTON ASSY.
18	-----	1	-	CUP
19	73050547	1	1	SPRING
20	73050548	1	1	VALVE (includes item 21)
21	-----	1	1	SEAT (order item 20)
22	-----	1	1	HOUSING (order item 25)
23	73006899	1	1	GASKET
24	73022440	1	1	CAP ASSY.
25	73050536	-	1	CYLINDER ASSY. (includes items 13, 14, 19, 20, 21, 22, 23, 24, 26, 27, 28 and 29)
	70929133	3	3	SCREW, machine 3/8" NF x 1-1/4"
	70910287	3	3	LOCKWASHER, 3/8"
	70910123	3	3	NUT, 3/8" NF
26	73050543	-	1	CUP
27	-----	-	1	PISTON (order item 28)
28	73050545	-	1	PISTON ASSY. (includes items 26 and 27)
29	73050546	-	1	CUP
30	73061711	1	-	REPAIR KIT (includes item 9, 13 thru 18, 20, 23 and item 8 O-RING)
31	73050552	-	1	REPAIR KIT (Includes item 13, 20, 28 and 29)

} order item 31



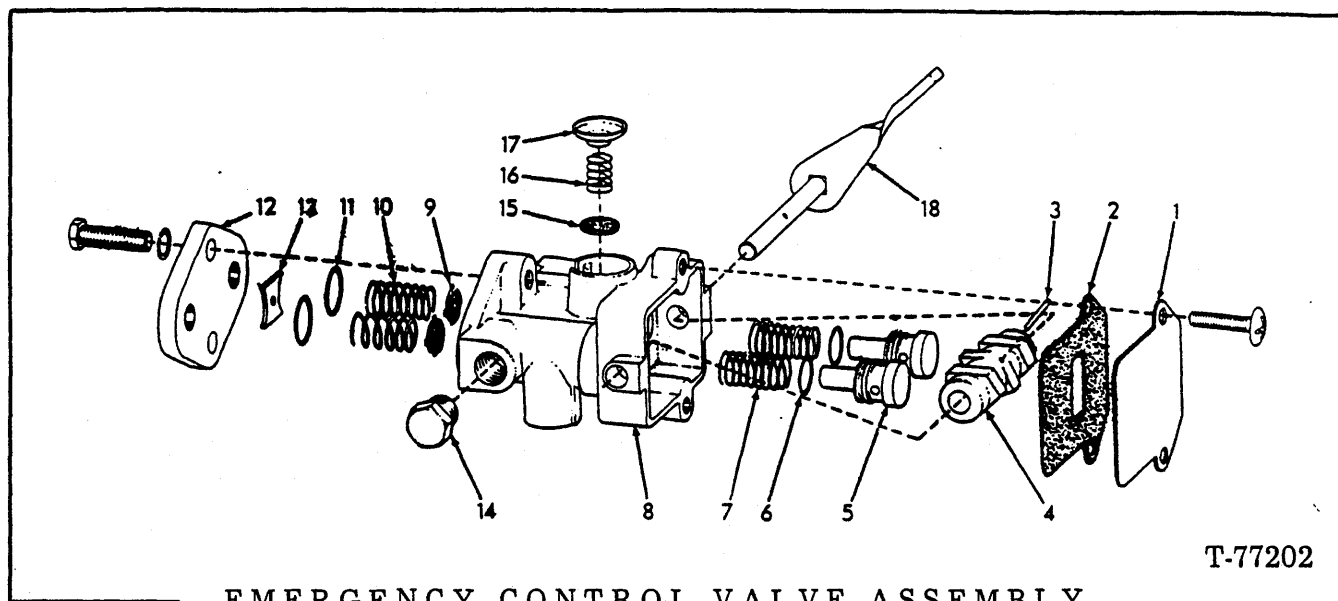


T-76647

# EMERGENCY BRAKE CONTROL GROUP (Instrument Panel Mounted)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058327	1	VALVE, control (Serviced only as a unit)(Includes 2 mtg. screws, washers and nuts)
2	73058882	2	PLUG ASSY. (Includes item 3)
3	73058912	2	PLUG (filter)
4	73058002	2	TUBE ASSY., 40-1/2" long (from valve to upper and lower ports)(Serviced only as a unit)
	70911017	1	ELBOW, compression, 1/4" tube, 1/8" NPT male
	70928800	1	ELBOW, compression type, 1/4" tube, 1/8"NPT, female
	70917495	1	NIPPLE (brass) 1/8"NPT x 3/4"
	70919497	2	CONNECTOR, compression, 1/4" tube, 1/4" NPT male
	70917351	2	BUSHING, 3/8" to 1/4" NPT
5	73058003	1	TUBE ASSY., 51" long (from valve to rear check valve) (Serviced only as a unit)
	70921185	1	ELBOW, compression type, 1/4" tube, 1/4" NPT male
	70928654	1	CLAMP (attached by existing hardware)
	70917027	1	TEE, extension, compression 1/4" tube, 1/2" NPT
6	73058639	1	TUBE ASSY., 34-1/2" long (from valve to front check valve) (Serviced only as an assy.)
	70921185	1	ELBOW, compression type, 1/4" tube, 1/4" NPT male
	70917027	1	TEE, 1/4" tube, 1/8" NPT
	-----	1	PLATE
7	70917415	1	NUT, No. 10 NF
	70925369	1	SCREW, No. 10 NF x 5/8"
	70917365	1	LOCKWASHER, No. 10
	73066553	1	DECAL, warning

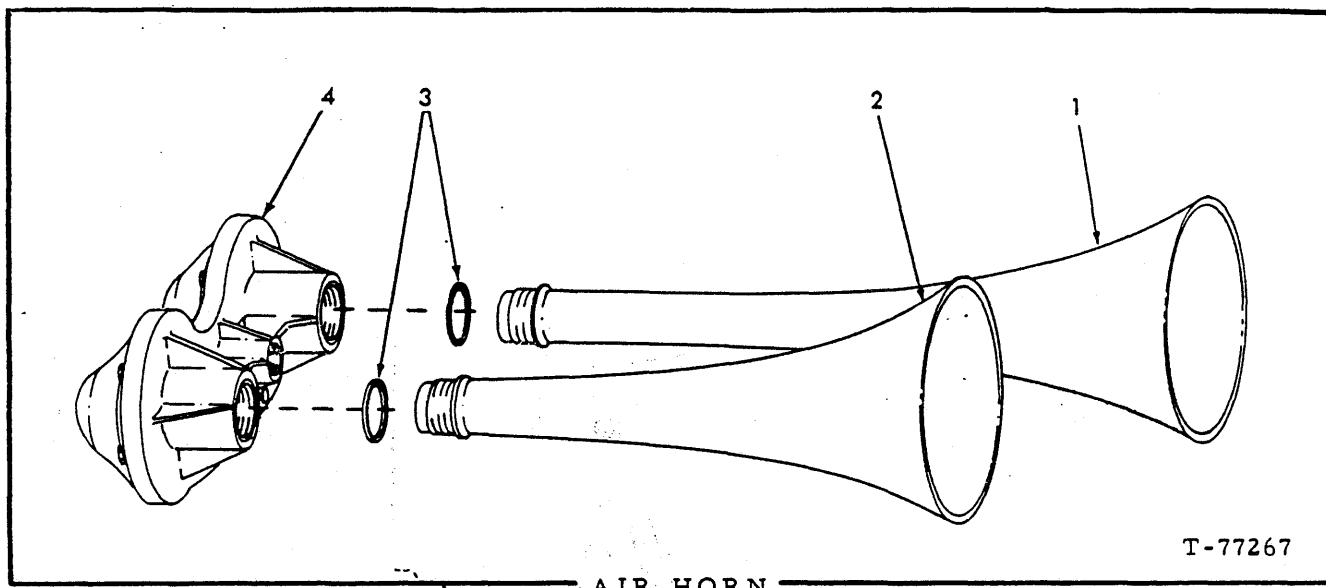
First type



T-77202

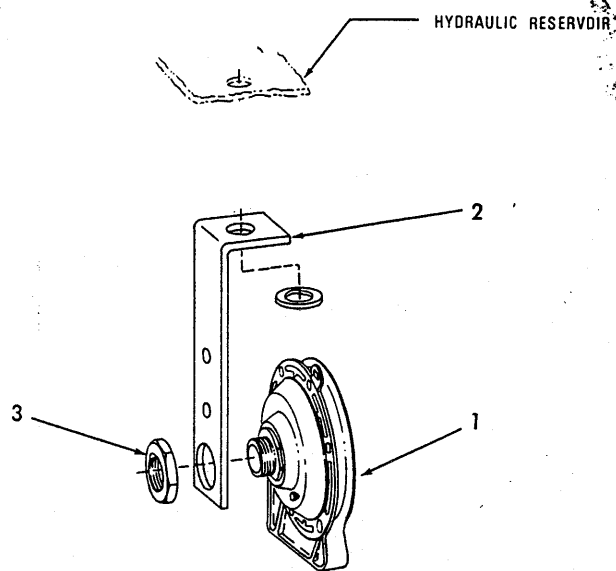
# EMERGENCY CONTROL VALVE ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
-	73058327	1	VALVE ASSY. (Includes item 1 thru 18)
1	73059408	1	PLATE
	73059409	2	SCREW, No. 10
2	73059407	1	GASKET
3	73059403	1	PIN
4	73059401	1	CAM
5	73033340	2	PLUNGER
6	70923559	2	O-RING
7	73033342	2	SPRING
8	-----	1	BODY (Order VALVE ASSY.)
9	73033337	2	VALVE
10	73033336	2	SPRING
11	70923376	2	O-RING
12	73059406	1	PLATE
	70916019	2	CAPSCREW, 1/4" NC x 3/4"
	70917209	2	LOCKWASHER, 1/4"
13	-----	1	SPACER (Order VALVE ASSY.)
14	70919134	1	PLUG, 1/8" NPT
15	73059410	1	DIAPHRAGM
16	73059411	1	SPRING
17	73059412	1	RETAINER
18	-----	1	LEVER ASSY. (Order VALVE ASSY.)



USAGE: All Loader series excluding 33A. See page 143. See 142a for electric HORN.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73053921	-	HORN ASSY., (Includes items 1 thru 4)
1	73056154	1	PROJECTOR
2	73056153	1	PROJECTOR
3	73061126	2	GASKET
4	73061127	1	DIAPHRAGM



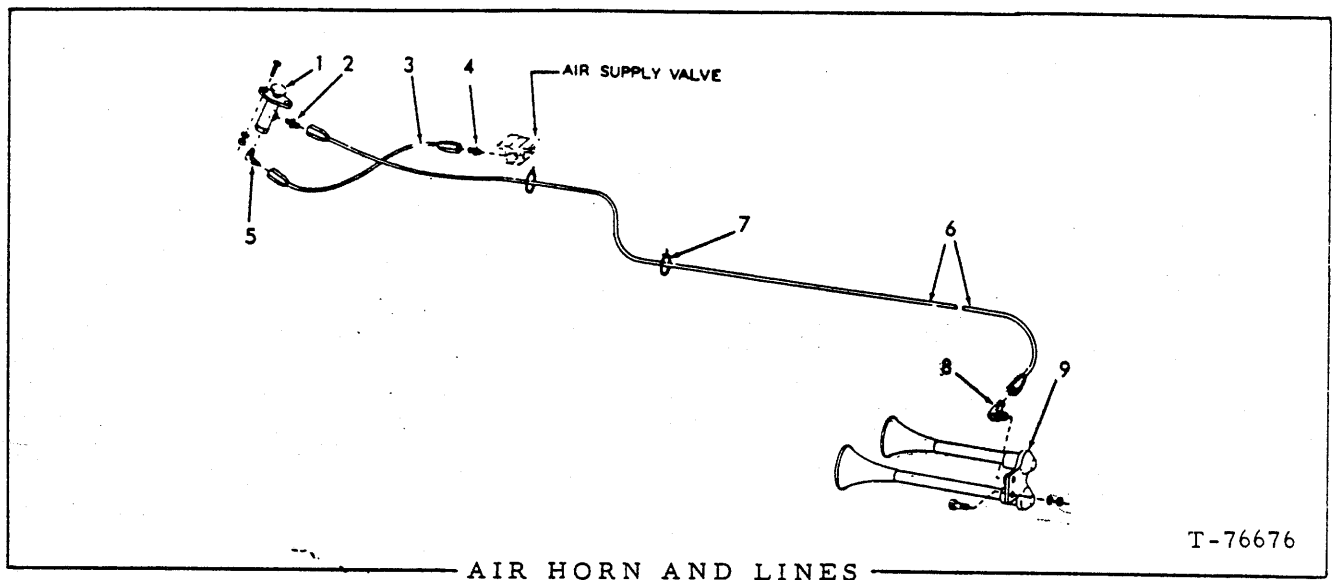
T-78968

# HORN (Electrical)

USAGE: Loader series 33A only (See page 242)

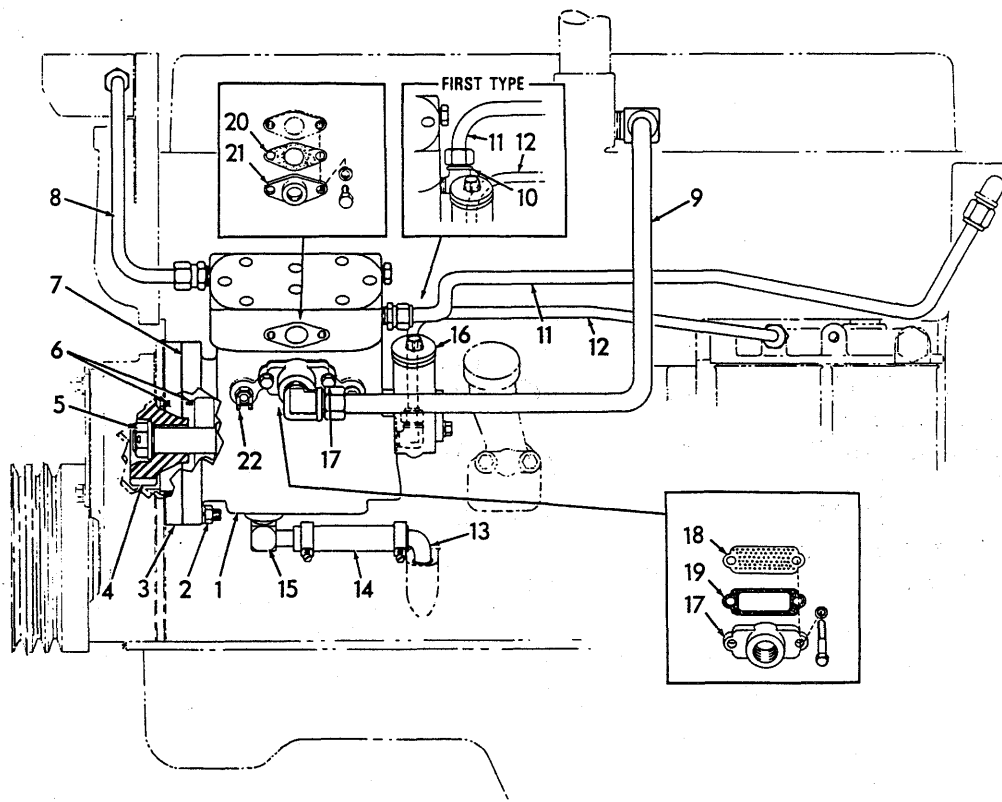
ITEM	PART NO.	QTY.	DESCRIPTION
1	73044471	1	HORN
2	73044843	1	BRACKET
	70677005	1	WASHER, 5/16"
3	73042966	1	NUT

MEMO



USAGE: All Loader series excluding 33A.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70181478	1	VALVE
	70916285	2	CAPSCREW, 1/4" NC x 1
	70904204	2	LOCKWASHER, 1/4"
	70916622	2	NUT, 1/4" NC
2	70914626	1	CONNECTOR, tube to valve, 1/4" tube, 1/8" NPT
3	73058576	1	TUBE
4	70919497	1	CONNECTOR, tube to air supply, 1/4" tube, 1/4" NPT
5	70921185	1	ELBOW, tube to valve, 1/4" tube, 1/4" NPT
6	73057998	1	TUBE
	70925604	1	CLIP, tube support, (Secured by existing capscrew)
7	70925094	4	CLIP
8	70911018	1	ELBOW ASSY., tube to horn, 1/4" tube, 1/4" NPT (Includes nut and sleeve indented below)
	70911437	1	NUT, compression, 1/4" tube
	70911435	1	SLEEVE, compression, 1/4" tube
9	73053921	1	HORN ASSY. (See page 142)
	70916282	2	CAPSCREW, 1/4" NC x 7/8"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4" NC



T-77027

# AIR COMPRESSOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	73059703	1	COMPRESSOR ASSY. (7-1/4 cu.ft.)(Includes GOVERNOR) (Used prior to engine s/n 2D-115150)(See pages 146 thru 150)
	74036330	1	COMPRESSOR ASSY. (TU-FLO 400 no. 289400)(Effective with engine s/n 2D-115150)( Includes items 17 thru 22 and items on pages 146 thru 150)
2	74348314	3	STUD, compressor mounting (Used prior to engine s/n 2D-62777)
	70904208	3	LOCKWASHER, 1/2" (Used prior to engine s/n 2D-62777)
	70919423	3	NUT, 1/2" NF (Used prior to engine s/n 2D-62777)
3	74024246	1	ADAPTER, compressor mounting (Used prior to engine s/n 2D-62777)
	70917733	4	CAPSCREW, socket hd., 3/8" NC x 1-1/4" adapter mtg. (Used prior to engine s/n 2D-62777)
	70916273	4	CAPSCREW, hex-hd., 3/8" NC x 1-3/4" (Effective with engine s/n 2D-62777)
	70910287	4	LOCKWASHER, 3/8" (Effective with engine s/n 2D-62777)
4	74024247	1	GEAR, compressor drive
5	-----	-	NUT (See page 148)
6	70923817	2	O-RING, 3-3/4" dia. (approx.) seal, adapter (Effective with engine s/n 2D-62777, quantity of 1 O-RING is required)
7	74024245	1	GASKET (Used prior to engine s/n 2D-62777)

(Continued)

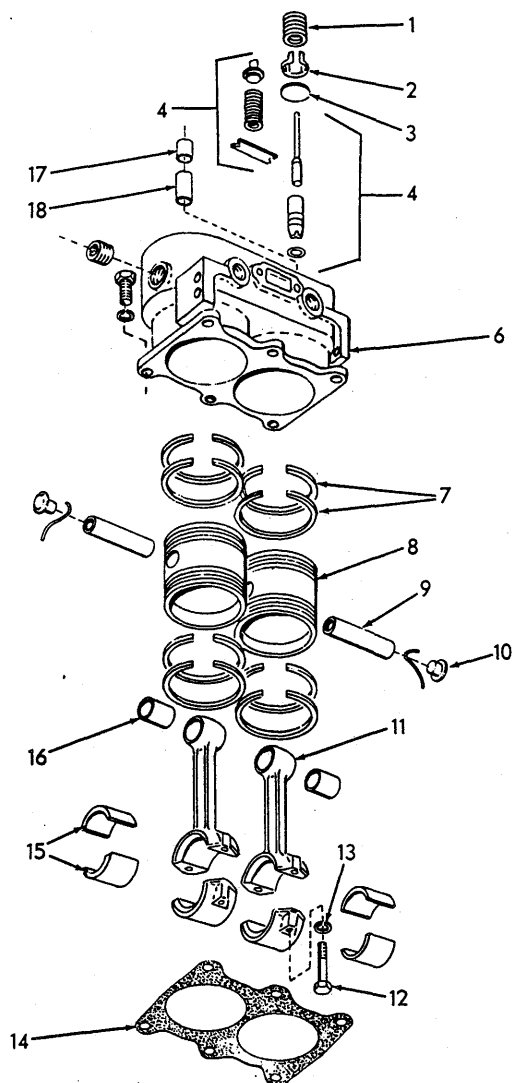
## AIR COMPRESSOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	74024249	1	TUBE, coolant, compressor to engine
	70917811	2	NUT, 1/2" tube
	70917808	2	SLEEVE, 1/2" tube
	70921339	1	CONNECTOR, engine end, 1/2" tube, 1/2" NPT male
	70920398	1	CONNECTOR, compressor end, 1/2" tube, 3/8" NPT male
9	74024252	1	TUBE, air inlet to compressor
	70918978	2	NUT, 3/4" tube
	74255984	2	SLEEVE, 3/4" tube (Special) high temp.
	70919006	2	ELBOW, 3/4" tube, 3/4" NPT
10	70920399	1	ELBOW, 1/2" tube, 3/8" NPT male(Used prior to engine s/n 2D-115150)
11	74024248	1	TUBE, coolant to compressor from engine (Used prior to engine s/n 2D-115150)
	74008803	1	TUBE, coolant to compressor from engine (Effective with engine s/n 2D-115150)
	70917811	2	NUT, 1/2" tube
	70917808	2	SLEEVE, 1/2" tube
	70921021	1	ELBOW, 1/2" tube, 1/2" NPT male
	70920398	1	CONNECTOR, 1/2" tube, 3/8" NPT male (Effective with engine s/n 2D-115150)
12	74024665	1	TUBE ASSY., oil line engine to compressor
	70920790	1	ELBOW, 3/8" tube, 1/8" NPT male
	70920279	1	CONNECTOR, 3/8" tube, 1/4" NPT male
13	74024256	1	ELBOW, oil return to engine
14	74372236	1	HOSE, oil return to engine
	70921911	2	CLAMP, adjustable, 11/16" to 1-1/4"
15	70927198	1	ELBOW, 90° nipple, 5/8" hose, 1/2" NPT male
16	74389823	1	GOVERNOR ASSY. (See page 150)
	74055341	2	CAPSCREW, 5/16"
	70904205	2	LOCKWASHER, 5/16"
	70915399	1	ELBOW, 90°, street, 1/8" NPT (Auto Type)
	74393667	1	FITTING
17	70915809	2	CAPSCREW, 5/16" NC
	70917356	2	LOCKWASHER, 5/16"
18	74056066	1	PLATE
19	74040341	1	GASKET
20	74040302	1	GASKET
21	74041004	1	FITTING(Used prior to engine s/n 2D-115150)
	74041002	1	FITTING (Effective with engine s/n 2D-115150)
	74049265	2	STUD, 5/16" NF
	70920263	2	NUT, 5/16" NF
	70917356	2	LOCKWASHER, 5/16"
	70915813	2	CAPSCREW, 5/16" NC x 7/8"
	74112723	2	LOCKWASHER
	74053235	1	COCK, drain (Used prior to engine s/n 2D-62777)

Used prior to engine  
s/n 2D-115150

Effective with  
engine s/n 2D-115150





T-31333

# COMPRESSOR CYLINDER BLOCK

USAGE: See page 144

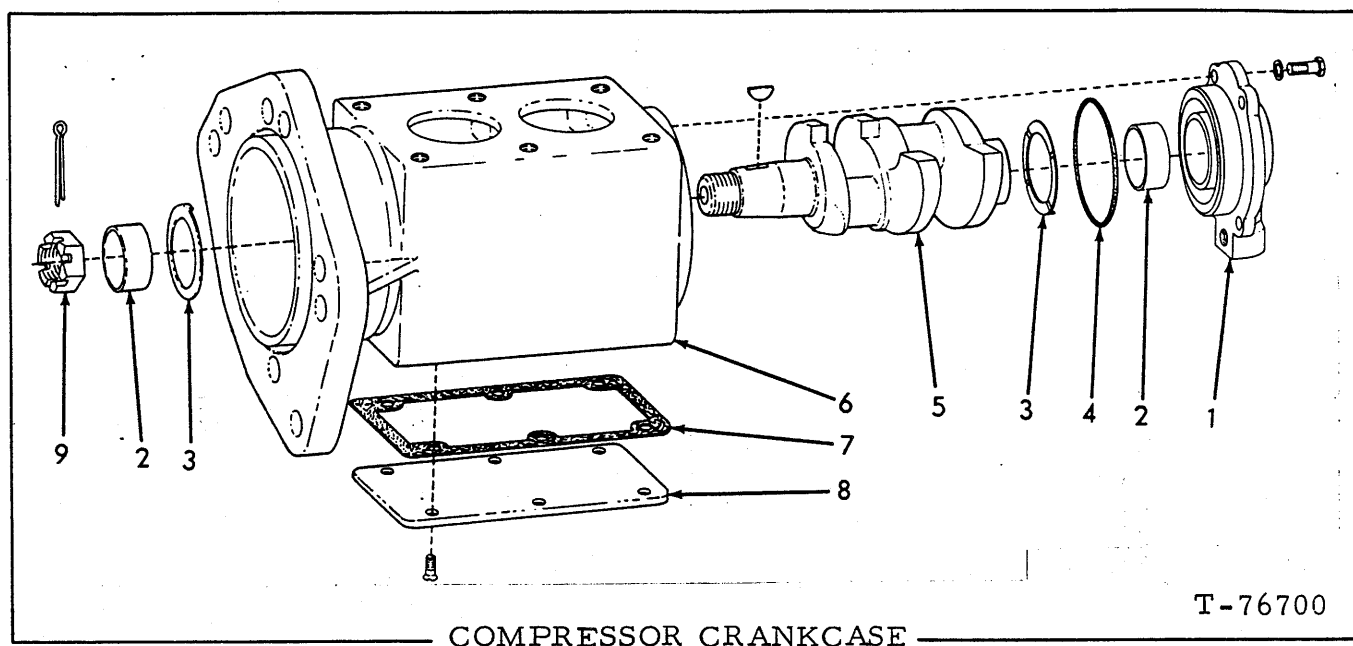
\*Used prior to engine s/n 2D-115150  
 \*\*Effective with engine s/n 2D-115150

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	74040336	2	2	SPRING
2	74052124	2	2	GUIDE
3	74040335	2	2	VALVE
4	74058898	1	1	VALVE KIT, unloader (Includes one (1) saddle, spring, gasket, seat and two (2) plungers, pistons and guides)(Serviced only as a unit)
6	73059212	1	-	BLOCK ASSY. (Includes items 4, 17 and 18)
	74062254	-	1	BLOCK ASSY. (Includes items 4, 17 and 18)
	70918887	2	-	PLUG, pipe, ctsk., 3/8" NPT
	70919840	-	1	PLUG, 1/4" NPT
	70916269	6	6	CAPSCREW, 3/8" NC x 7/8"
	70910287	6	-	LOCKWASHER, 3/8"
	74110730	-	6	LOCKWASHER, 3/8"

(Continued)

## COMPRESSOR CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
7	74049262	1	-	RING SET
	- 74062368	-	2	RING SET
8	74049260	2	-	PISTON ASSY. (Includes item 9)
	74062369	-	2	PISTON
9	74049261	2	-	PIN (standard)
	- 74062367	-	2	PIN (standard)
	74054436	2	-	PIN (.005" oversize)
	- 74062407	-	2	PIN (.005" oversize)
10	74040340	2	-	WIRE
	- 74062374	-	4	BUTTON
11	74056426	2	-	ROD ASSY. (Includes cap and items 12, 13 and 16)
	74062362	-	2	ROD ASSY. (Includes cap and items 12, 13 and 16)
12	74053356	4	4	BOLT
13	74053298	4	4	LOCKWASHER
14	74040494	1	1	GASKET
15	74060661	2	2	BEARING KIT
16	74056412	2	-	BUSHING
	- 74062365	-	2	BUSHING
	- 74062366	-	2	BUSHING (oversize)
17	74054439	2	2	BUSHING (oversize)
18	74040330	2	2	SEAT

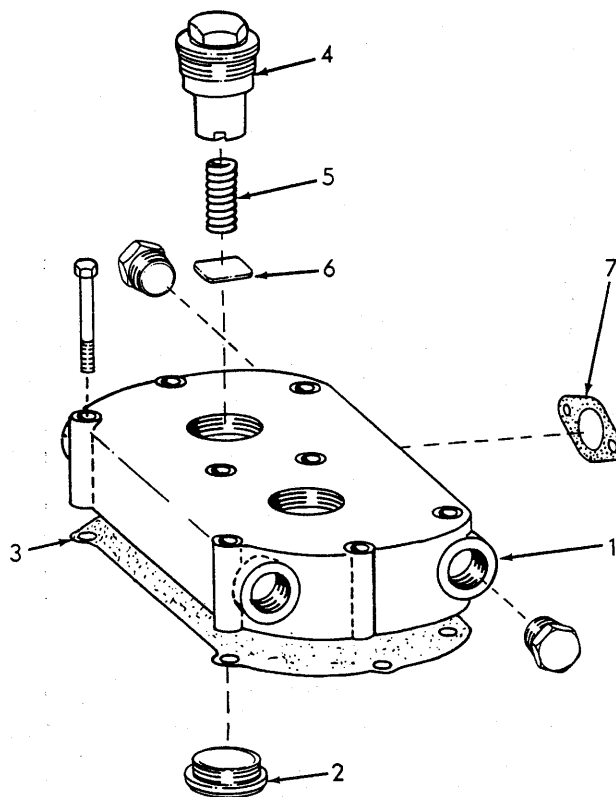


USAGE: See page 144

\* Use prior to engine S/N 2D-115150  
 \*\* Effective with engine S/N 2D-115150

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	74056129	1 1	COVER ASSY. (Includes item 2)
	70915809	4 6	CAPSCREW, 5/16"NC x 3/4"
	70904205	4 -	LOCKWASHER, 5/16"
	74112723	- 6	LOCKWASHER, 5/16"
	70919134	- 1	PLUG, 1/8"NPT
2	74056133	2 2	BEARING
3	74056130	2 2	WASHER
4	74056132	1 1	O-RING
5	74062373	- 1	CRANKSHAFT
	73059208	1 -	CRANKSHAFT
	70910545	1 -	KEY, hi-pro, 1/4" x 1"
	74047966	- 1	KEY
6	74062380	- 1	CRANKCASE ASSY.
	73061719	1 -	CRANKCASE ASSY.
7	74062381	- 1	GASKET
	73059210	1 -	GASKET
8	74062382	- 1	PLATE (First type)(Order second type plate, 6 - 70915406 Capscrews, and 6 - 70904204 Lockwasher)
	74062895	- 1	PLATE (Second type)
	73059211	1 -	PLATE
	70910271	- 6	SCREW, machine, 1/4"NC x 5/8" (First type plate)
	70915406	- 6	CAPSCREW, 1/4"NC x 3/4"
	70904204	- 6	LOCKWASHER, 1/4"
	70910170	6 -	CAPSCREW, flat-hd., 1/4"NC x 1/2"
9	70912331	- 1	NUT, jam, slotted, 3/4"NF
	70920403	1 -	NUT, jam, 3/4"NF
	70918452	- 1	PIN, cotter, 1/8" x 1"
	70900806	1 -	PIN, cotter, 1/8" x 1"

} Not included with  
Compressor Assy.



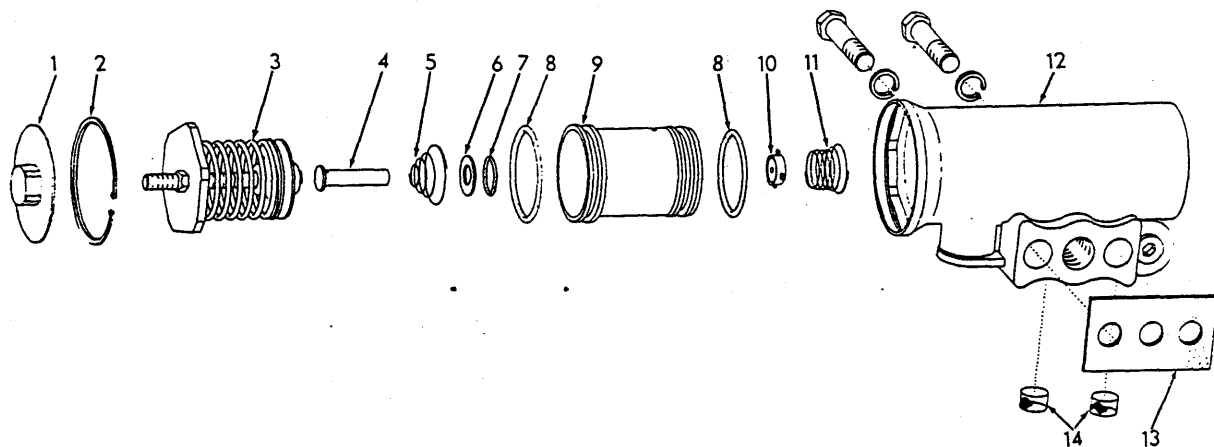
T-31334

# COMPRESSOR CYLINDER HEAD

USAGE: See page 144

\*Used prior to engine s/n 2D-115150  
 \*\*Effective with engine s/n 2D-115150

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	- 74062252	-	1	HEAD ASSY., cylinder
	74049255	1	-	HEAD ASSY., cylinder
	74053197	8	8	CAPSCREW
	70918887	4	-	PLUG, pipe, ctsk., 3/8" NPT
	70920333	-	2	PLUG, hex hd., 3/8" NPT
2	74049256	2	2	SEAT
3	74049264	1	-	GASKET
	- 74062370	-	1	GASKET
4	74040523	2	2	NUT
5	74040303	2	2	SPRING
6	74040522	2	2	VALVE
7	74040302	1	1	GASKET



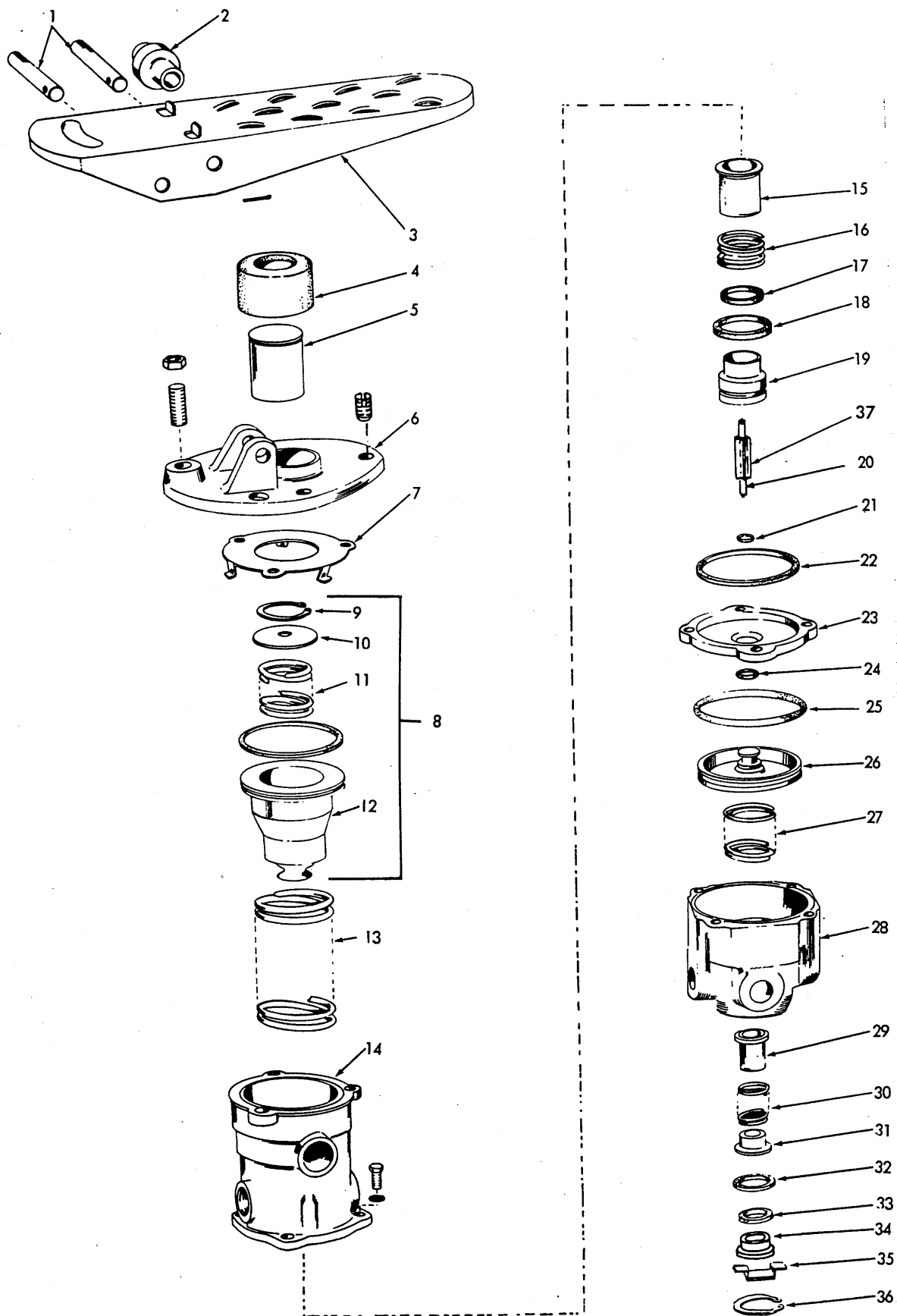
T-36633

# GOVERNOR (Compressor)

USAGE: See page 144.

ITEM	PART NO.	QTY.	DESCRIPTION
-	74389823	1	GOVERNOR ASSY. (Includes items 1 thru 12 and 14)
	74055341	2	CAPSCREW (Special)
	70904205	2	LOCKWASHER, 5/16"
1	74055277	1	COVER
2	74056265	1	RING
3	74055276	1	SCREW AND SPRING ASSY. (Includes screw, nut, spring, guide and seats)(Serviced only as a unit)
4	74055278	1	STEM
5	74055279	1	SPRING
6	74055275	1	WASHER
7	74054151	1	GROMMET (inner)
8	74055283	2	GROMMET (outer)
9	74055274	1	PISTON ASSY. (Includes items 6 and 7)
10	74055273	1	VALVE
11	74055272	1	SPRING
12	74055281	1	BODY ASSY. (Includes item 14)
	70917673	4	PLUG, ctsk-hd., 1/8" NPT
13	74040345	1	GASKET
14	74055282	2	FILTER

MEMO



AIR APPLICATION VALVE ASSEMBLY

T-73101

# AIR APPLICATION VALVE ASSEMBLY

USAGE: \* Used on Loader series 21C, 10L prior to unit no. 05815.  
 \*\* Used on Loader series 21C, 10L effective with unit no. 05815; also used on all Loader series 21S, 33A.

NOTE: See page 132.

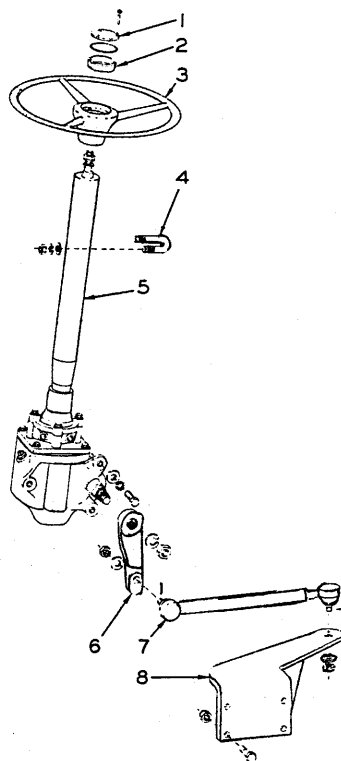
ITEM	PART NO.	QTY.	DESCRIPTION
		* *	
-	-----	1 -	VALVE ASSY. (Order 1 VALVE ASSY. 73063694 and 1 PLUG 70924636)
	73063694	- 1	VALVE ASSY. (Includes items 1 thru 36)
1	73048322	2 2	PIN
2	73048319	1 1	ROLLER
3	73048317	1 1	TREADLE
	70907801	- 2 2	PIN, cotter, 3/32" x 1-1/8"
4	73048318	1 1	BOOT
5	73048321	1 1	PLUNGER
6	73048320	1 1	FLANGE
	70922463	1 1	SCREW, set, slotted., 1/4" NC x 1-1/4"
	70911327	1 1	NUT, 1/4" NC
	70916523	3 -	SCREW, machine, flat hd., 5/16"
	70929548	- 3	SCREW, machine, flat hd., 5/16" NC x 7/8"
-	73048316	1 -	VALVE ASSY. (Includes items 7 thru 36)
	73063682	- 1	VALVE ASSY. (Includes items 7 thru 36)
7	73048338	1 1	RETAINER
8	73048340	1 1	PISTON ASSY. (Includes items 9 thru 12)
9	73048386	1 1	RING
10	73048387	1 -	RETAINER
	73048338	- 1	RETAINER
11	73048388	1 1	SPRING
12	73048389	1 -	PISTON, primary metering
	-----	- 1	PISTON, primary metering (Order Maintenance Kit 73063684)
	70923580	1 1	O-RING
13	73048342	1 1	SPRING
14	-----	- 1	BODY, upper valve (Order 1 VALVE ASSY. 73063682)
	-----	1 -	BODY, upper valve (Order 1 VALVE ASSY. 73048316)
	70919351	4 4	CAPSCREW, 1/4" NC x 7/8"
	70904204	4 4	LOCKWASHER, 1/4"
15	73048344	1 1	VALVE
16	73048345	1 1	SPRING

(Continued)



# AIR APPLICATION VALVE ASSEMBLY (Continued)

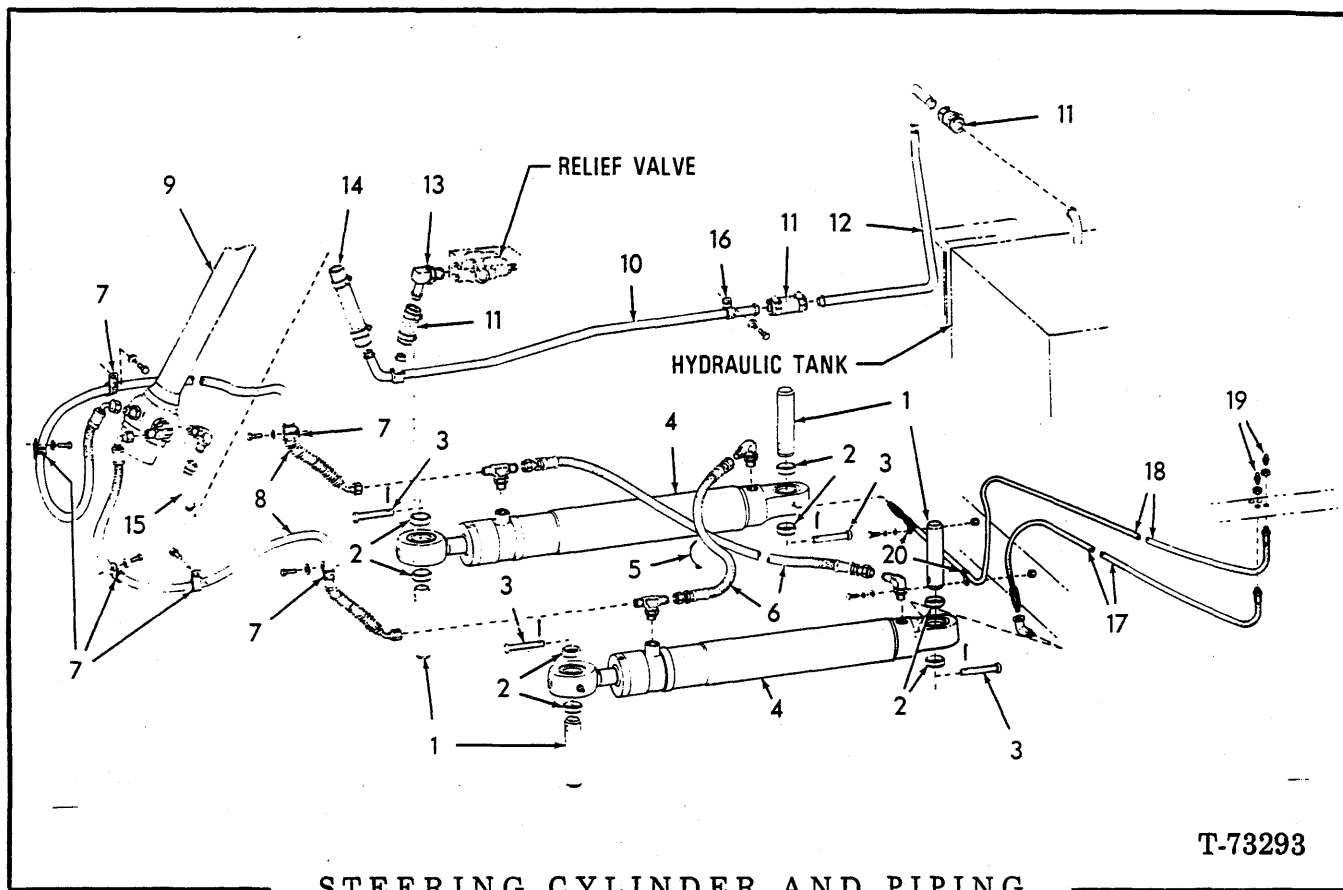
ITEM	PART NO.	QTY. * **	DESCRIPTION
17	{ 73048347	1 -	PACKING
	{ 70931135	- 1	PACKING
18	70926804	1 1	SEAL
19	73048346	1 1	GUIDE
20	73053758	1 1	ROD
20A	73053759	1 1	GUIDE
21	70923944	1 1	O-RING
22	70926805	1 1	SEAL
23	{ 73048349	1 -	COVER
	{ -----	- 1	COVER (Order VALVE ASSY 73063682)
24	70923558	1 1	O-RING, secondary piston (small)
25	{ 70923852	1 -	O-RING, secondary piston (large)
	{ 70931189	- 1	O-RING, secondary piston (large)
26	{ 73048373	1 -	PISTON, secondary metering
	{ -----	- 1	PISTON, (Order Maintenance Kit 73063684)
27	73048376	1 1	SPRING
28	{ 73048384	1 -	BODY
	{ -----	- 1	BODY (Order VALVE ASSY 73063682)
29	{ 73048383	1 -	VALVE
	{ -----	- 1	VALVE (Order Seal Kit 73063683)
30	{ 73048382	1 -	SPRING
	{ 73063690	- 1	SPRING
31	{ 73048381	1 -	GUIDE
	{ -----	- 1	GUIDE (Order Maintenance Kit 73063684)
32	{ 70926803	1 -	SEAL
	{ 70923376	- 1	SEAL
33	{ 73048379	1 -	RETAINER
	{ 70931134	- 1	SEAL, tetra
34	{ 73048378	1 -	RETAINER
	{ -----	- 1	RETAINER (Order Maintenance Kit 73063684)
35	{ 73048377	1 -	SHIELD, exhaust
	{ -----	- 1	SHIELD, exhaust (Order Maintenance Kit 73063684)
36	{ 73048375	1 -	RING
	{ 70931133	- 1	RING
-	{ 73048402	1 -	REPAIR KIT, valve (Includes items 4, 15, 17, 18, 21, 22, 24, 25, 29, 32, 33, and 1 O-RING 70923580)
	{ 73063683	- 1	SEAL KIT (Includes items 4, 15, 17, 18, 21, 22, 24, 25, 29, 32, 33, 36 and 1 O-RING 70923580)
	{ 73063684	- 1	MAINTENANCE KIT (Includes items 12, 13, 16, 19, 20, 20A, 26, 27, 30, 31, 34 and 35)



T-73292

# STEERING GEAR AND LINKAGE

ITEM	PART NO.	QTY.	DESCRIPTION
1	73062754	1	MEDALLION
	73048971	3	CAPSCREW, self-tapping, 1/2" NC x 1-1/4"
	73048968	1	SPACER
2	70923582	1	O-RING
	73043399	1	WHEEL
4	73043222	1	U-BOLT
	70900818	2	WASHER, plain, 1/2"
5	70912441	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2" NF
	73050335	1	GEAR ASSY. (See page 158)
	70916311	3	CAPSCREW, 1/2" NC x 1-1/4"
	70900818	3	WASHER, plain, 1/2"
6	70912441	3	LOCKWASHER, 1/2"
	73043490	1	ARM, pitman
7	73043372	1	ROD ASSY., tie, steering gear (See page 160)
	70900819	1	WASHER, plain, 5/8"
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
	73053212	1	BRACKET
8	70916028	4	CAPSCREW, 1/2" NF x 1-3/4"
	70914487	4	LOCKNUT, 1/2" NF



STEERING CYLINDER AND PIPING

T-73293

ITEM	PART NO.	QTY.	DESCRIPTION
1	73042706	4	PIN
2	73042705	8	BOSS
3	73001621	4	PIN
	70900806	4	PIN, cotter, 1/8" x 1"
4	-----	2	CYLINDER ASSY. (See page 164)
5	70925094	2	CLIP
6	73043353	2	HOSE ASSY. (Crimped-type)(Serviced only as a unit)
	70921402	2	ELBOW, 1/2" tube, 3/4" str. thd. (Includes 1 O-RING indented below)
	70921349	2	O-RING
7	73011248	6	CLIP
	70915408	4	CAPSCREW, 3/8" NC x 3/4"
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70900817	4	WASHER, plain, 3/8"
	70910287	6	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
8	73044172	2	HOSE ASSY., valve to steering cylinder (Crimped-type)(Serviced only as a unit)
	70923157	2	TEE, flare type, 1/2" tube, 3/4" str. thd. (Includes 1 O-RING indented below)
	70921402	1	ELBOW, flare type, 1/2" tube, 3/4" str. thd. (Includes 1 O-RING indented below)
	70921409	1	CONNECTOR, flare type, 1/2" tube, 3/4" str. thd. (Includes 1 O-RING indented below)
	70921349	4	O-RING

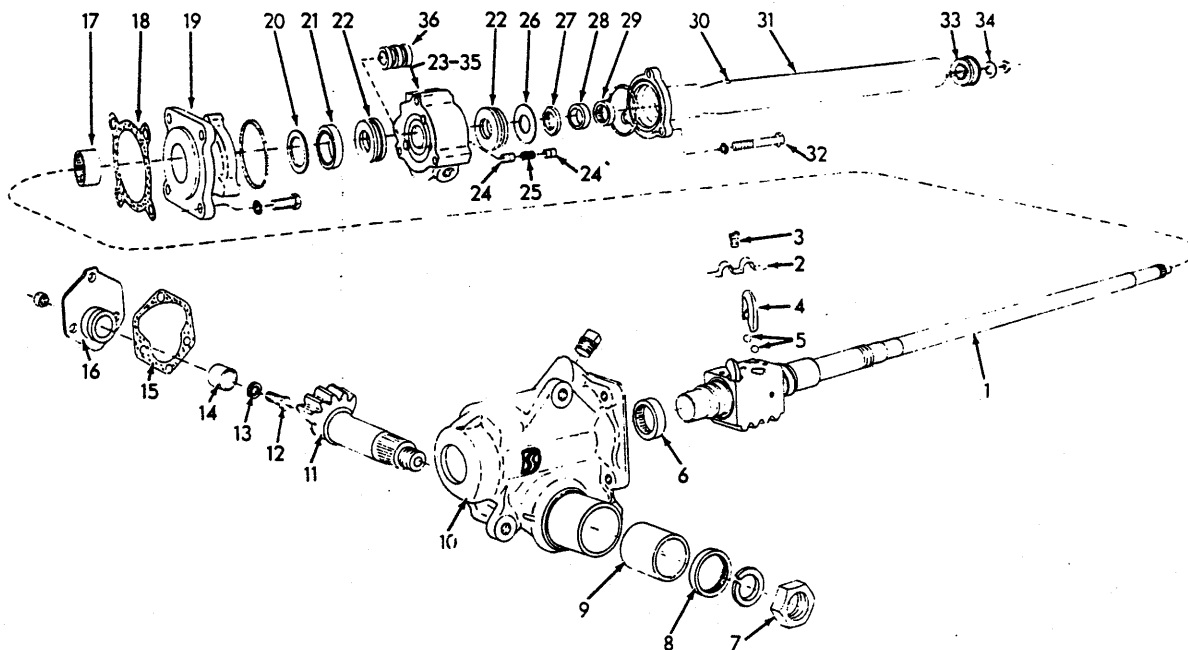
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(Revised April 1981)

# STEERING CYLINDER AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	-----	-	GEAR ASSY. (See page 158)
10	73054674	1	TUBE ASSY.
	70922974	1	ELBOW, 3/4" tube, 7/8" str. thd. (Includes 1 O-RING indented below)
	70921206	1	O-RING
11	73054640	3	HOSE
	70922660	6	CLAMP (1-1/16" to 2")
12	73053936	1	TUBE
13	73053890	1	ELBOW
14	73019646	1	HOSE
	70921911	4	CLAMP (11/16" to 1-1/4")
15	73054641	1	TUBE ASSY.
	70922974	1	ELBOW, 3/4" tube, 7/8" str. thd. (Includes 1 O-RING indented below)
	70921206	1	O-RING
16	70925607	1	CLIP
	70916271	1	CAPSCREW, 3/8" NC x 3/4"
	70910287	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, 3/8"
	70910324	1	NUT, 3/8" NC
17	73070416	1	HOSE ASSY.
	70917013	1	ELBOW, street, 1/8", 90°
18	73070417	1	HOSE ASSY.
19	70912808	2	FITTING, lube, 1/4" NPT
	70933010	2	LOCKNUT, , 1/8" NPSM
20	70929720	2	CLAMP
	70915408	2	CAPSCREW, 3/8" NC x 3/4"
	70910287	2	LOCKWASHER, 3/8"
	70911115	2	WASHER, 3/8"
	70646631	2	WELDNUT

Effective with unit no.  
21C06864; also on all  
Loader series 21S, 33A.



T-70708

## STEERING GEAR ASSEMBLY

USAGE: See page 155.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73075949	1	GEAR ASSY. KIT, (Includes items 1 thru 36)
1	73075951	1	SHAFT ASSY. KIT, (Includes items 2 thru 5)
2	73005699	1	CLAMP
3	73003933	3	BOLT ASSY. (Includes washer)
4	73006598	4	GUIDE
5	73006597	106	BALL
6	73016721	1	BEARING
7	73044546	1	NUT
	70905347	1	LOCKWASHER, 7/8"
8	73044569	1	SEAL
9	73044549	1	BUSHING
10	73075950	1	HOUSING ASSY. KIT, (Includes items 6 and 9)
	70905261	1	PLUG, pipe, 1/2" NPT
11	73075952	1	GEAR KIT
12	73003896	1	ADJUSTER
	70910876	1	NUT, jam, 7/16" NF
	73044365	1	SHIM KIT (Consists of the following four shims)
13	73003883	1	SHIM (.063" thick)
	73003884	1	SHIM (.065" thick)
	73003885	1	SHIM (.067" thick)
	73003886	1	SHIM (.069" thick)
			Use as required

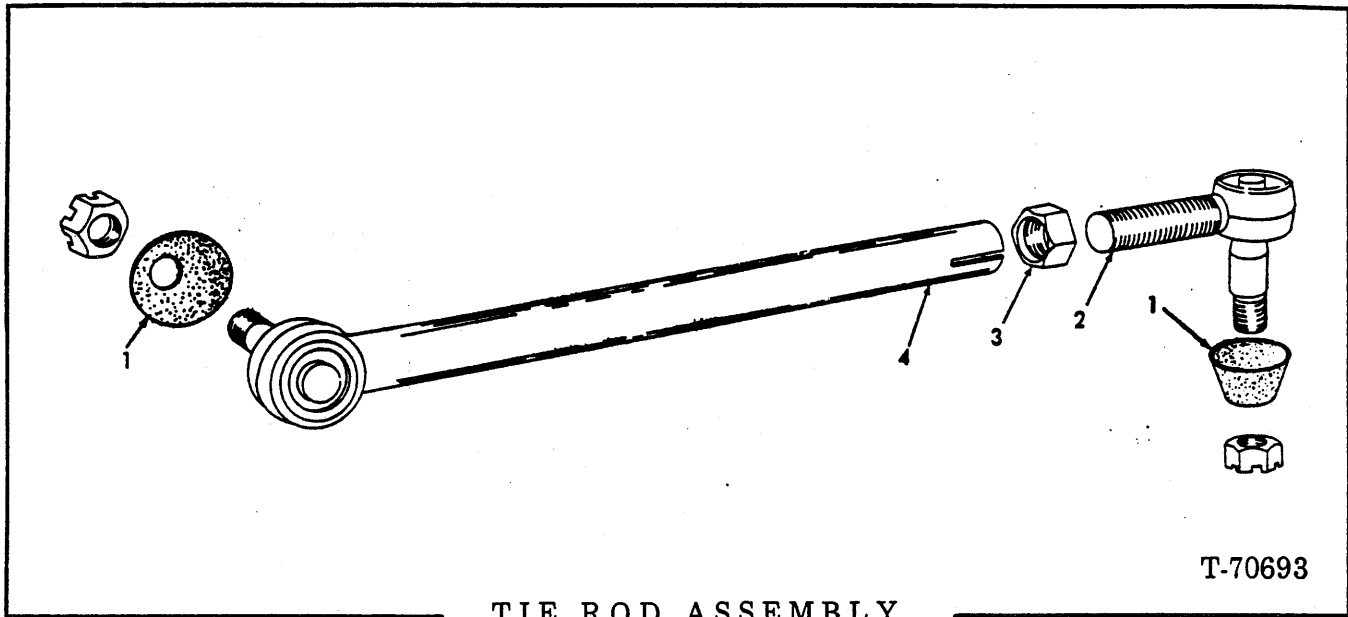
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(Revised September 1980)

# STEERING GEAR ASSEMBLY (Continued)

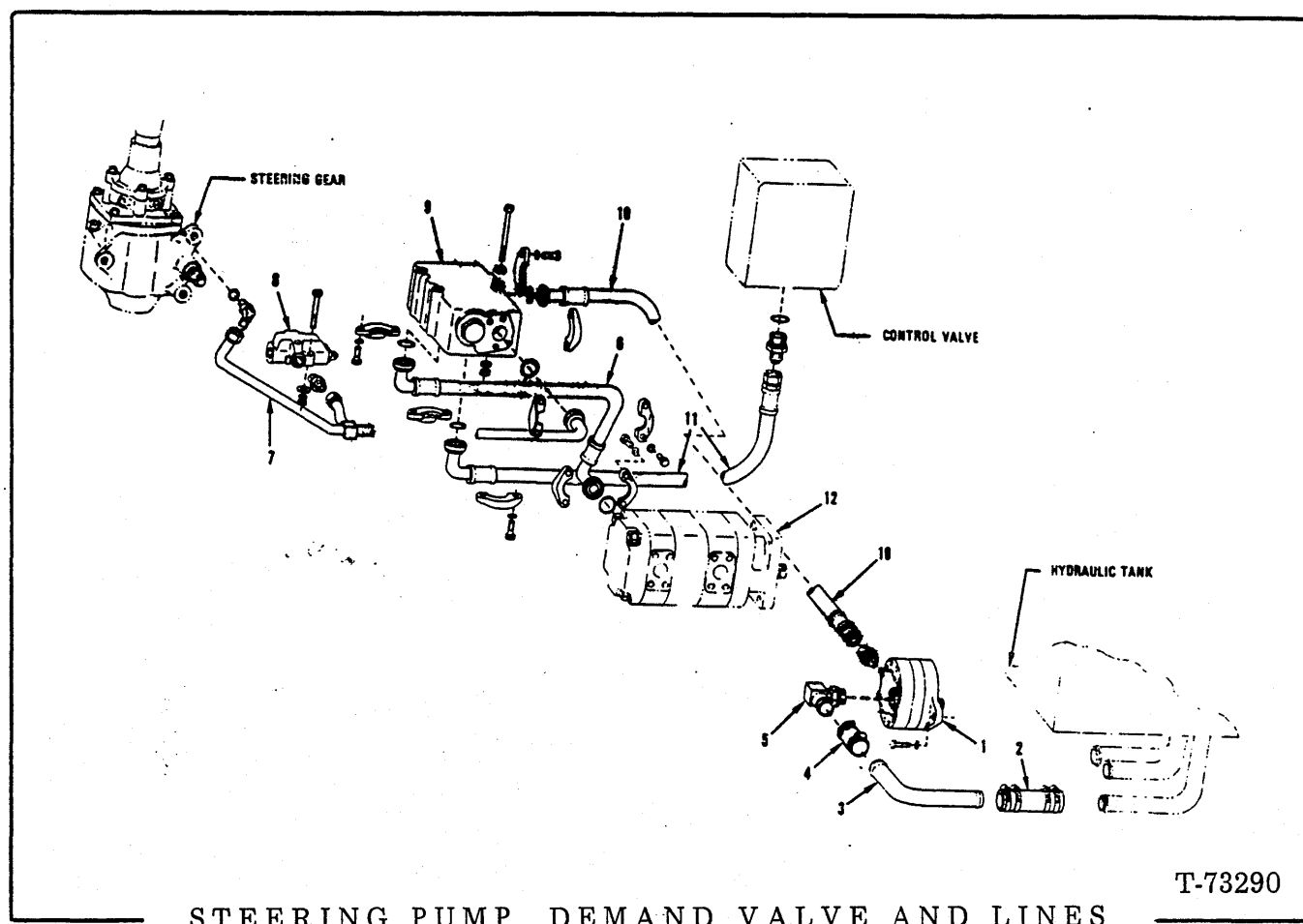
ITEM	PART NO.	QTY.	DESCRIPTION
14	73044573	1	BUSHING
15	73068646	1	GASKET
16	73044544	1	COVER ASSY. (Includes item 14)
	70915408	3	CAPSCREW, 3/8" NC x 3/4" }
	70910287	3	LOCKWASHER, 3/8" }
	73061036	3	CAPSCREW, 3/8" NC x 7/8" self locking (Effective with unit no. 04358)
17	73016721	1	BEARING
18	73044318	1	GASKET
19	73044315	1	ADAPTER ASSY. (Includes items 17, 20 and 21)
	70919228	4	CAPSCREW, 7/16" NC x 1-1/8"
	70914678	4	LOCKWASHER, 7/16"
	70923647	1	O-RING
20	73044572	1	WASHER
21	73062521	1	SEAL
22	73011651	2	BEARING ASSY. (Serviced only as a unit)
23	73076072	1	VALVE ASSY. KIT (Includes items 24, 25, 35 and 36)
24	73032564	6	PLUNGER
25	73032565	3	SPRING
26	73032595	1	SPRING
27	73011664	1	NUT
28	73062522	1	SEAL
29	73044547	1	BEARING
30	73044568	1	GROMMET
31	73050533	1	COVER ASSY. (Includes items 28, 29 and 30)
32	70919227	3	BOLT
	70910287	3	LOCKWASHER, 3/8"
	70923647	1	O-RING
33	73044545	1	BEARING ASSY. (Serviced only as an assy.)
34	73003891	1	WASHER
	70913177	1	NUT, jam, 1/2" NF
35	-----	1	HOUSING, valve (Order item 23)
36	-----	1	SPOOL, valve (Order item 23)

(Revised September 1980)



USAGE: See page 155.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73043372	1	ROD ASSY. (Includes items 1 thru 4)
1	73044311	2	SEAL
2	73044310	1	SOCKET
	70912840	1	NUT, 5/8" NF
3	73044309	1	LOCKNUT
4	73044308	1	SOCKET (with tube)
	70912840	1	NUT, 5/8" NF



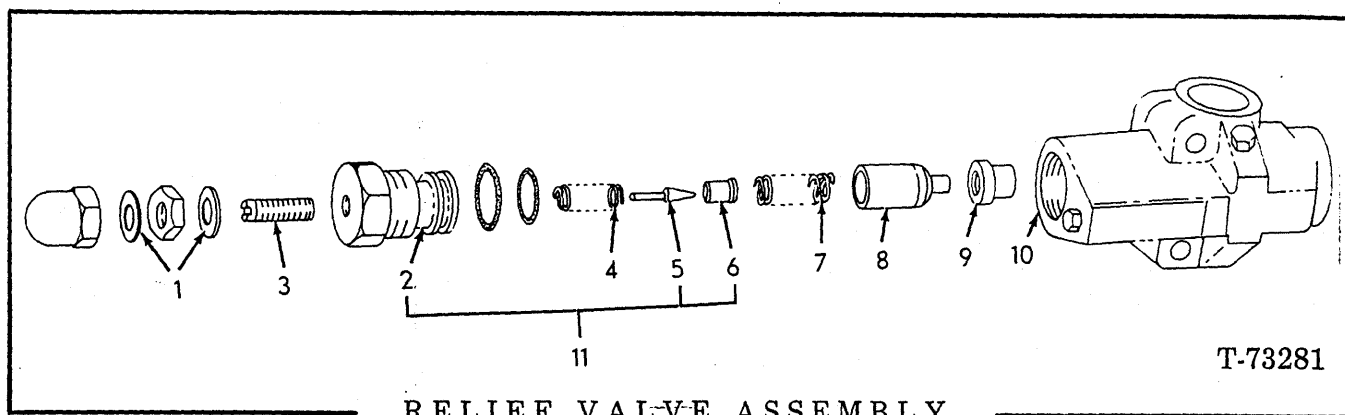
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY. (See page 166, 167 or 168)
	70922820	2	CAPSCREW, 12 pt., 3/8" NC x 1-1/4"
	70910287	2	LOCKWASHER, 3/8"
2	73045016	1	HOSE, 1-1/4" I.D. x 4-3/4"
	70921912	4	CLAMP (1-1/16" to 2")
3	73053564	1	TUBE
4	73045016	1	HOSE, 1-1/4" I.D. x 4-3/4"
	70921912	4	CLAMP (1-1/16" to 2")
5	73052878	1	ELBOW
6	73053210	1	HOSE ASSY., pump to demand valve (Crimped-type)(Serviced only as a unit)
	70923664	1	O-RING
	70921117	2	FLANGE
	70916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	70914678	4	LOCKWASHER, 7/16"
	70923575	1	O-RING, sealing
	70921115	2	FLANGE
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"

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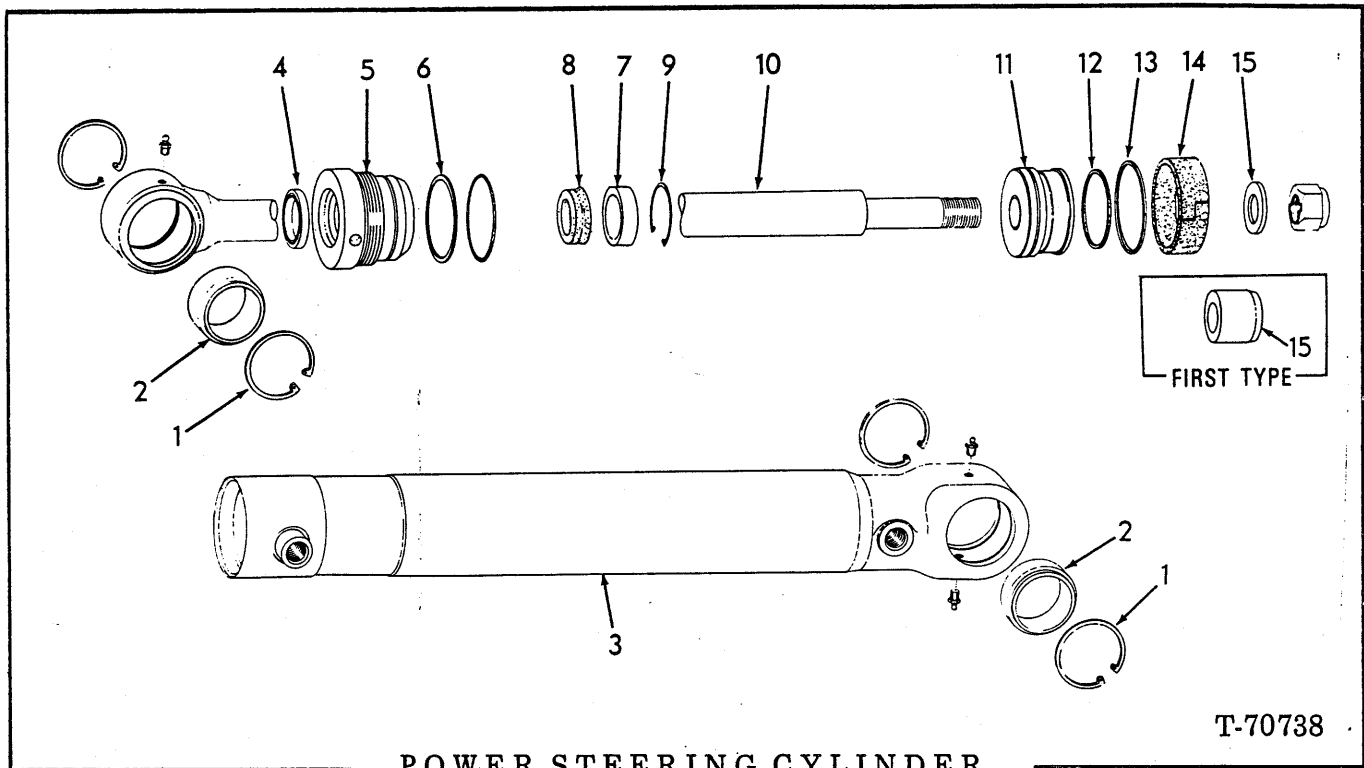
# STEERING PUMP, DEMAND VALVE AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	73053746	1	TUBE ASSY., steering gear to demand valve
	70922974	1	ELBOW, 3/4" tube, 7/8" str. thd. (Includes 1 O-RING 70921205)
	70922981	1	CONNECTOR, flare type, 3/4" tube, 7/8" str. thd. (Includes 1 O-RING 70921205)
	70923718	1	O-RING
	70921116	2	FLANGE
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
8	-----	1	VALVE ASSY. (See page 163)
	70920107	1	PLUG, 7/8" str. thd. (Includes 1 O-RING indented below)
	70916281	2	CAPSCREW, 5/16" NC x 2-3/4"
	70677005	2	WASHER
	70904205	2	LOCKWASHER, 5/16"
	70910323	2	NUT, 5/16" NC
	70921205	1	O-RING
9	-----	1	DEMAND VALVE ASSY. (See page 165)
	70916275	1	CAPSCREW, 3/8" NC x 3-3/4"
	70916276	2	CAPSCREW, 3/8" x 4-1/2"
	70920743	3	WASHER, plain, 3/8"
	70910287	3	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
10	73053208	1	HOSE ASSY., demand valve to steering pump
	70923718	1	O-RING
	70921116	2	FLANGE
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
	70921326	1	CONNECTOR, flare type, 3/4" tube, 7/8" str. thd. (Includes 1 O-RING indented below)
	70921205	1	O-RING
11	73053209	1	HOSE ASSY., demand valve to control valve
	70922411	1	CONNECTOR, 1" tube, 1-5/8" str. thd. (Includes 1 O-RING 70921235)
	70923664	1	O-RING
	70921117	2	FLANGE
	70916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	70914678	4	LOCKWASHER, 7/16"
	-----	-	PUMP ASSY. (See page 170)
12	-----	-	



USAGE: See page 161.

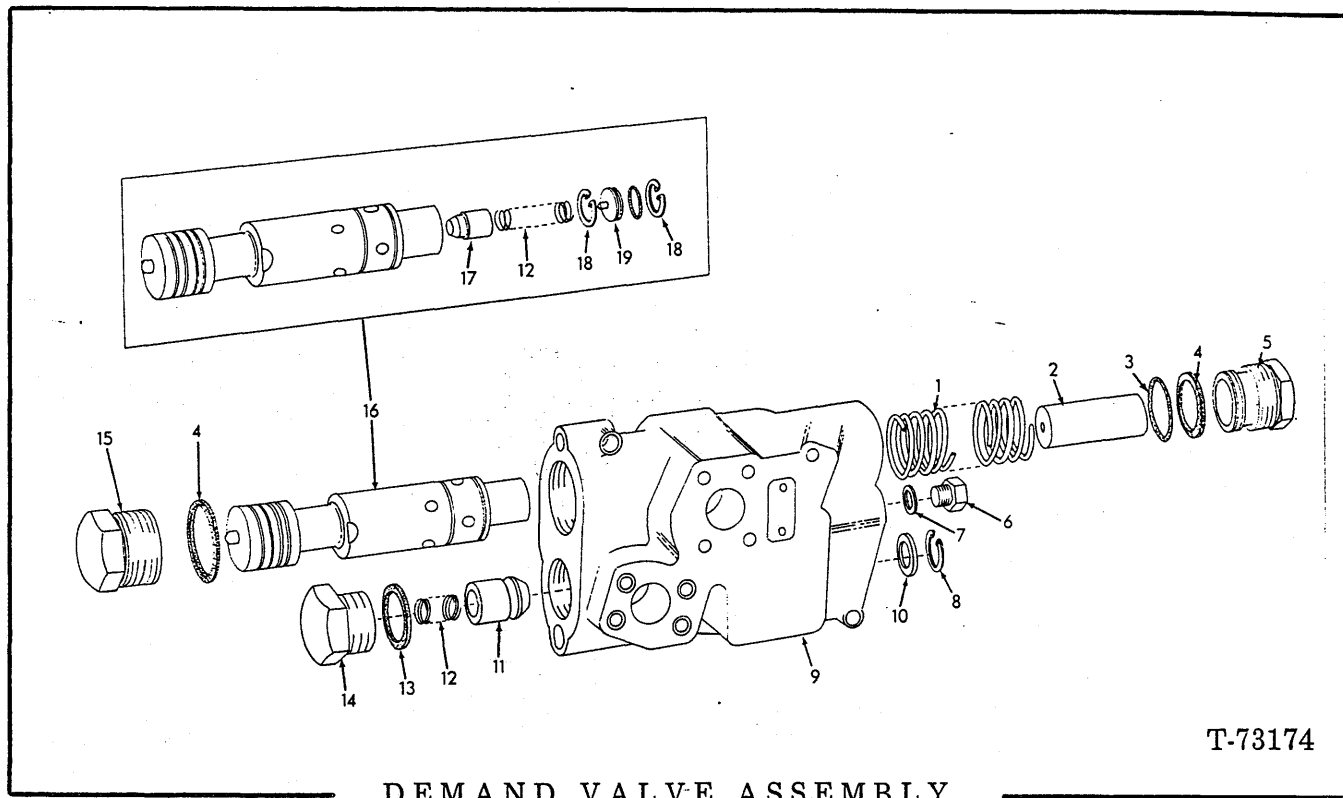
ITEM	PART NO.	QTY.	DESCRIPTION
-	73053741	1	VALVE ASSY. (Includes items 1 thru 11)
1	73046121	2	SEAL
2	-----	1	CAP (Order item 11)
	70921349	1	O-RING, 41/64" I.D.
	70926909	1	O-RING, 33/64" I.D.
	70926355	1	RING, back-up
3	73054377	1	SCREW
	70924236	1	NUT, acorn, 5/16" NF
	70910980	1	NUT, jam, 5/16" NF
4	73046117	1	SPRING
5	-----	1	PLUNGER (Order item 11)
6	-----	1	SEAT (Order item 11)
7	73054376	1	SPRING
8	73054378	1	POPPET ASSY. (Serviced only as a unit)
9	73054375	1	SEAT
10	-----	1	BODY (Not serviced, order complete VALVE ASSY.)
	70919134	2	PLUG, hex-hd., 1/8" NPT
11	73055497	1	CAP AND SEAT ASSY. (Consists of items 2, 5 and 6)



# POWER STEERING CYLINDER

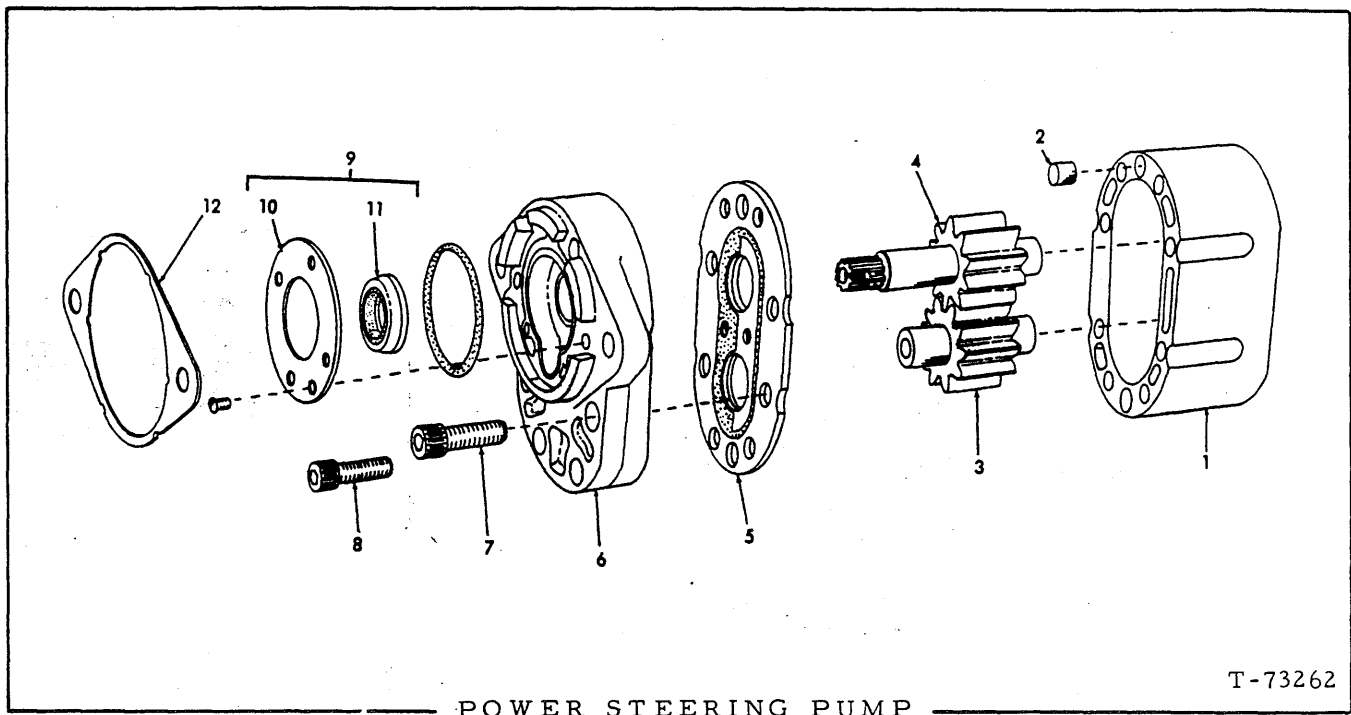
USAGE: See page 156

ITEM	PART NO.	QTY.	DESCRIPTION
-	73071913	1	CYLINDER ASSY. (Consists of items 1 thru 15)
1	70925996	2	RING
2	70928851	1	BUSHING
3	73071915	1	TUBE ASSY. (Includes 1 and 2)
	70914465	2	FITTING, lube str., 1/8" NPT (qty. 1 units 06870 - up)
	70910231	2	PLUG, 1/8" NPT (effective with unit no. 06870)
4	73055116	1	† WIPER
5	-----	1	HEAD (first type - order second type item 5, 7 and 9)
	73062971	1	HEAD (second type)
	70924158	1	† O-RING
6	73063363	1	† RING
7	73046384	2	BUSHING (first type)
	73063066	1	BUSHING (second type)
8	73070372	1	† SEAL
9	70925993	1	RING (first type 1.942" O.D.)
	70927699	1	RING (second type 2.072" O.D.)
10	73071914	1	ROD ASSY. (Includes items 1 and 2)
	70914465	1	FITTING, lube, str., 1/8" NPT
	73073273	1	LOCKNUT, 7/8" NF
11	73058665	1	PISTON
12	70928874	1	† RING
13	73058666	1	† RING
14	73058667	1	† RING
15	73050408	1	SPACER (first type)
	70931478	1	WASHER (second type)
16	73064517	1	REPAIR KIT
			† included with item 16



USAGE: See page 161.

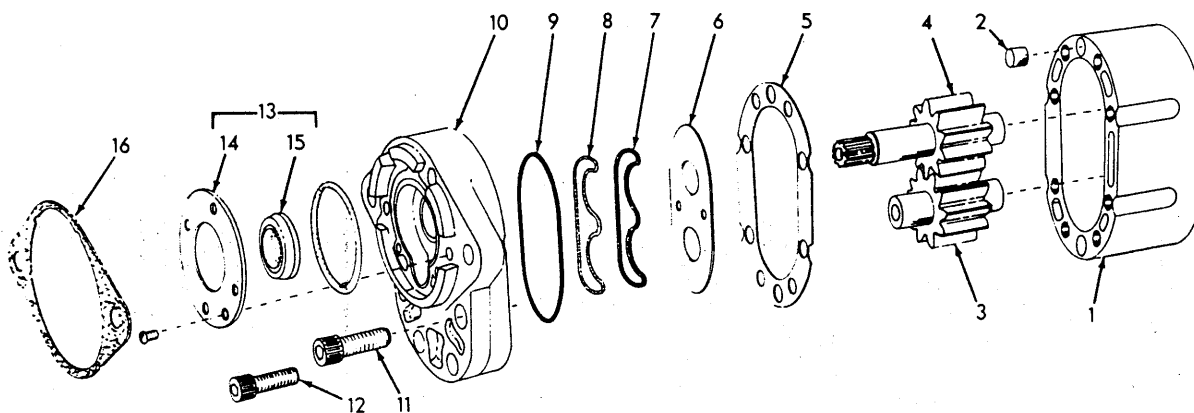
ITEM	PART NO.	QTY.	DESCRIPTION
-	73054103	1	VALVE ASSY. (Includes items 1 thru 19)
1	73050683	1	SPRING
2	73050682	1	SPACER
3	70925453	1	O-RING
4	70926809	2	RING
5	73050567	1	CAP
6	73050569	1	CAP
7	70926801	1	RING
8	70927279	1	RING
9	-----	1	BODY (order VALVE ASSY.)
10	73052791	1	PLUG
11	73001717	1	PLUNGER
12	70636102	2	SPRING
13	70926807	1	RING
14	73050568	1	CAP
15	73050570	1	CAP
16	-----	1	SPOOL (Order VALVE ASSY.)
17	73018397	1	PLUNGER
18	70927278	2	RING
19	73050571	1	PLUG
	70923645	1	O-RING



NOTE: See page 161. Used prior to approximate loader serial no. 21C04212

ITEM	PART NO.	QTY.	DESCRIPTION
-	73052877	1	PUMP ASSY., power steering (Includes items 1 thru 11)
1	-----	1	COVER ASSY., end (Includes bushing) (Order complete PUMP ASSY.)
2	73052666	2	PIN
3	-----	1	SHAFT, idler (Order complete PUMP ASSY.)
4	-----	1	SHAFT, drive (Order complete PUMP ASSY.)
5	-----	1	SEAL ASSY. (wear plate) (Order complete PUMP ASSY.)
6	-----	1	BODY ASSY., pump (Includes bushing) (Order complete PUMP ASSY.)
7	73044233	4	CAPSCREW, skt-hd., 3/8" NC x 1-1/2"
8	73044592	4	CAPSCREW, skt-hd., 5/16" NC x 1-1/4"
	70917377	4	WASHER, plain, 5/16"
	70917642	4	WASHER, plain, 3/8"
9	73044223	1	RETAINER ASSY., seal (Includes items 10 and 11)
	70914198	3	CAPSCREW, pan-hd., #10 NF x 3/8" (thread cutting)
	70924038	1	O-RING, sealing
10	-----	1	RETAINER (Order item 9)
11	70669165	1	SEAL
12	73047012	1	SPACER

(Revised June 1984)



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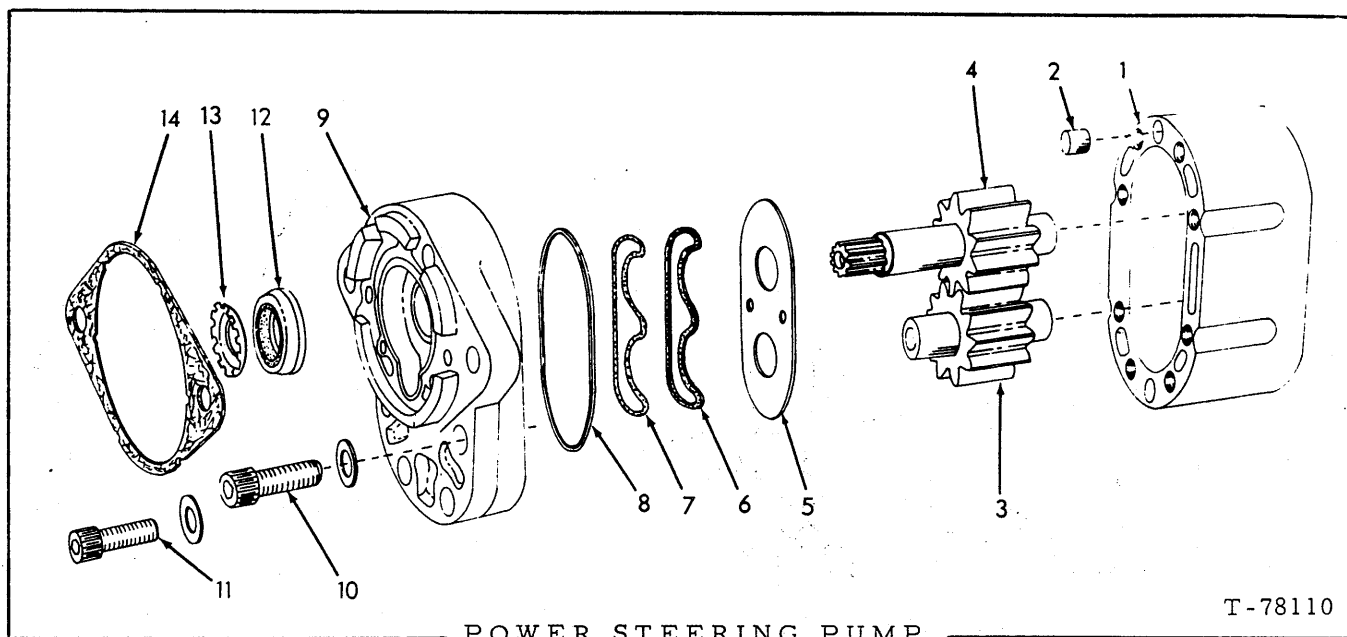
# POWER STEERING PUMP

NOTE: See page 161.

Used with Loader approximate serial no. 21C04212 (February 1972) thru 21C04563 and 10L04451

ITEM	PART NO.	QTY.	DESCRIPTION
-	73059346	1	PUMP ASSY. (Includes items 1 thru 16)
1	-----	1	COVER ASSY. (Includes bushing) (Order complete PUMP ASSY.)
2	73052666	2	PIN
3	-----	1	SHAFT, idler(with gear) (Order complete PUMP ASSY.)
4	-----	1	SHAFT, drive (with gear) (Order complete PUMP ASSY.)
5	73059642	1	PLATE
6	73059643	1	PLATE
7	73059645	1	SEAL
8	73059644	1	SEAL
9	73059646	1	SEAL
10	-----	1	BODY ASSY. (Includes bushing) (Order complete PUMP ASSY.)
11	73044233	4	CAPSCREW, skt-hd., 3/8" NC x 1-1/2"
12	73044592	4	CAPSCREW, skt-hd., 5/16" NC x 1-1/4"
	70917377	4	WASHER, plain, 5/16"
	70917642	4	WASHER, plain, 3/8"
13	73044223	1	RETAINER ASSY. (Includes items 14 and 15)
	70914198	3	CAPSCREW, pan-hd., #10 NF x 3/8" (thread cutting)
	70924038	1	O-RING
14	-----	1	RETAINER (Order item 13)
15	70669165	1	SEAL
16	73047012	1	GASKET

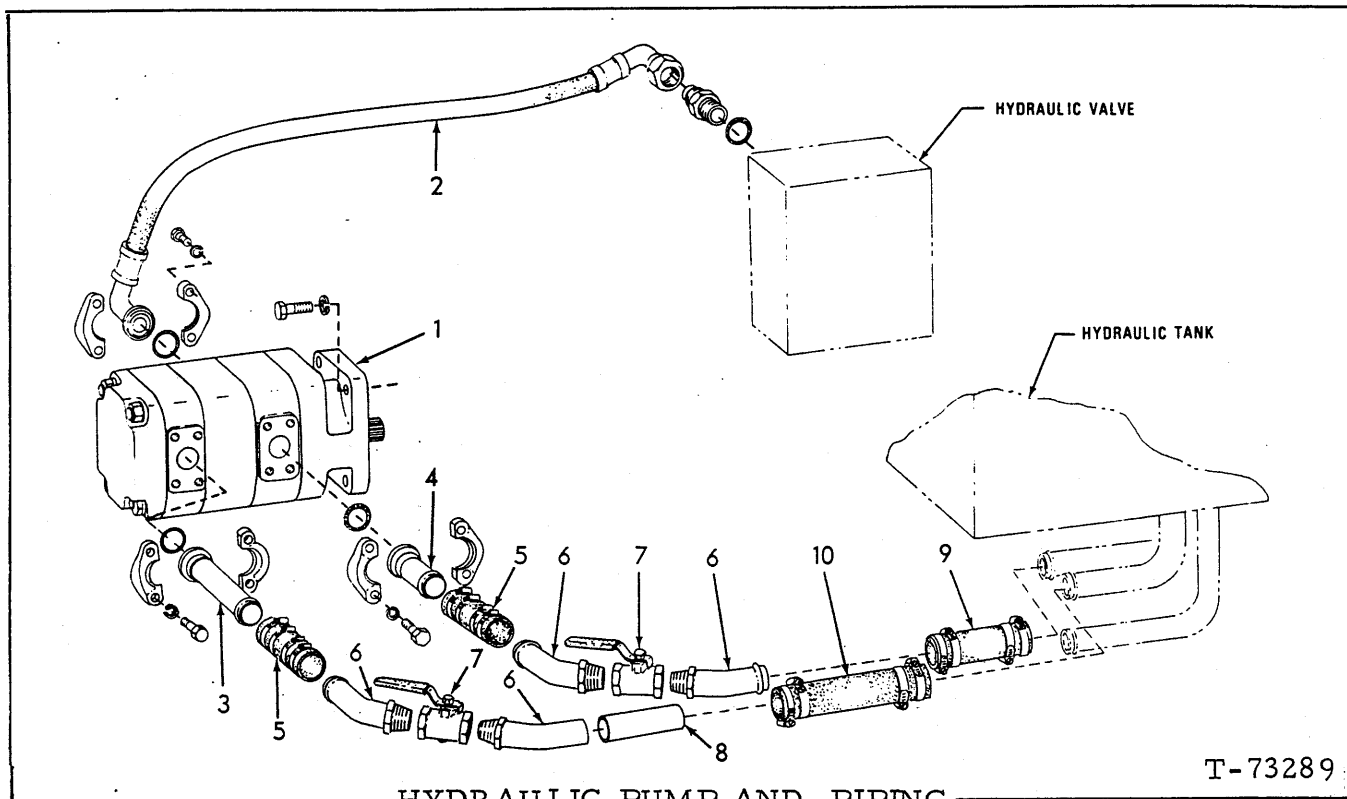
(Revised June 1984)



NOTE: See page 161.  
Effective with loader serial no. 21C04564, 10L04452, and Loader series 21S, 33A.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73061507	1	PUMP ASSY. (Includes items 1 thru 14)
1	-----	1	COVER ASSY. (Includes bushing) (Order complete PUMP ASSY.)
2	73061508	2	PIN, dowel
3	-----	1	SHAFT, idler (with gear) (Order complete PUMP ASSY.)
4	-----	1	SHAFT, drive (with gear) (Order complete PUMP ASSY.)
5	73059643	1	PLATE
6	73059645	1	SEAL
7	73059644	1	SEAL
8	73059646	1	SEAL
9	-----	1	BODY ASSY. (Includes bushing) (Order complete PUMP ASSY.)
10	73044233	4	CAPSCREW, skt-hd., 3/8" NC x 1-1/2"
11	73044592	4	CAPSCREW, skt-hd., 5/16" NC x 1-1/4"
	70917377	4	WASHER, plain, 5/16"
	70917642	4	WASHER, plain, 3/8"
12	70669165	1	SEAL
13	70930733	1	RING (Effective with loader serial no. 21C04926)
14	73047012	1	GASKET

(Revised June 1984)



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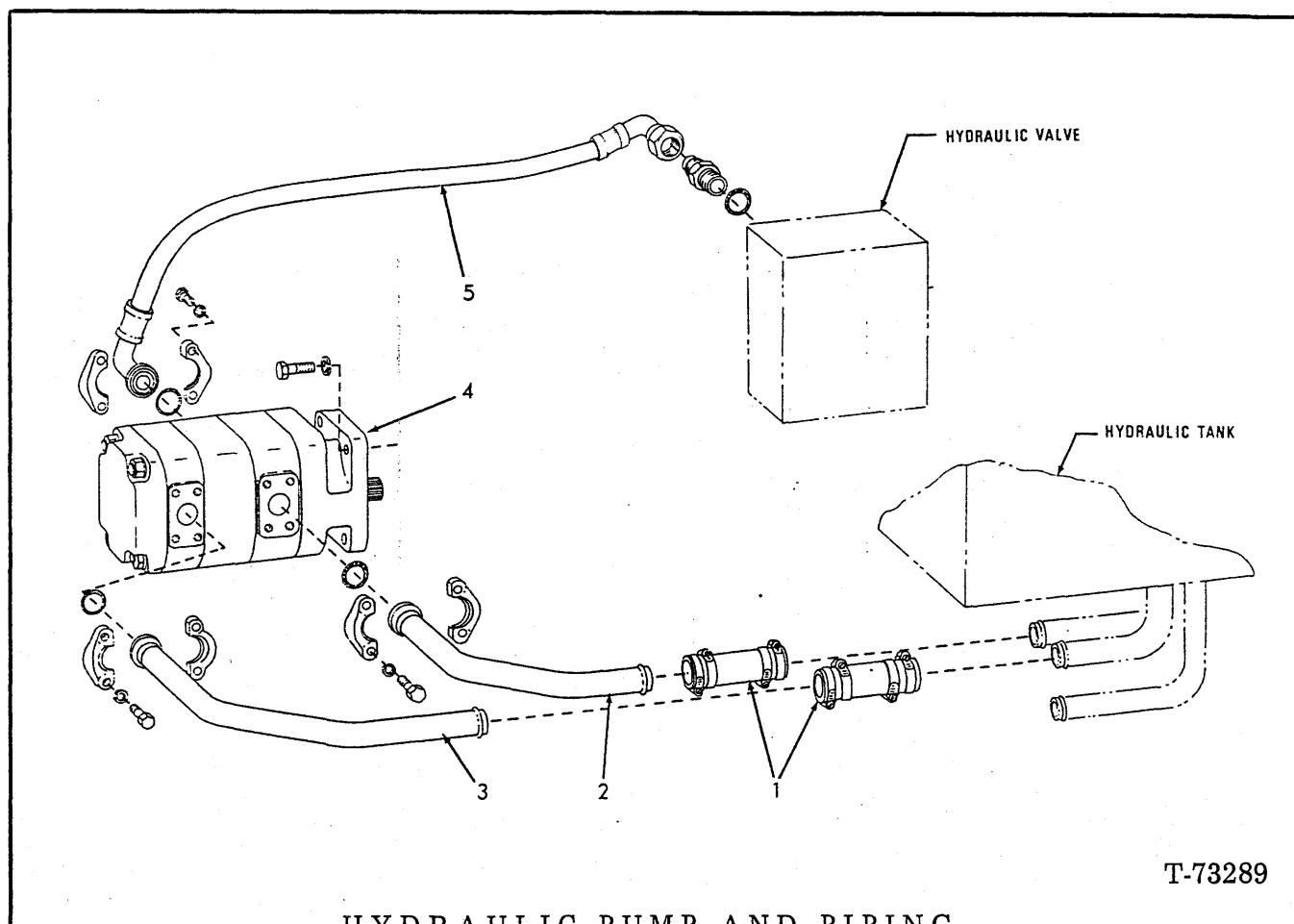
# HYDRAULIC PUMP AND PIPING

USAGE: Loader series 33A only excluding 33A07958, 08023, 08024, 08025, 08029, 08030, 08031

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY. (See page 170)
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	4	LOCKWASHER, 1/2"
2	73047173	1	HOSE ASSY. (See HOSE PARTS)
	70922411	1	CONNECTOR, 1" tube, 1-5/8" str. thd. (Includes O-RING)
	70923718	1	O-RING (flange)
	70921116	2	FLANGE
	70916272	4	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
	70921235	1	O-RING (connector)
3	73072792	1	TUBE ASSY.
	70923664	1	O-RING
	70921117	2	FLANGE
	70916197	4	CAPSCREW, 7/16"NC x 1-1/4"
	70914678	4	LOCKWASHER, 7/16"
4	73072793	1	TUBE ASSY.
	70923664	1	O-RING
	70921117	2	FLANGE
	70916197	4	CAPSCREW, 7/16"NC x 1-1/4"
	70914678	4	LOCKWASHER, 7/16"
5	73006439	2	HOSE
	70921912	8	CLAMP (1-1/16" to 2")
6	70927213	4	ELBOW, 45°, 1-1/4"NPTF
7	73072789	2	VALVE
8	73072788	1	TUBE
9	73072791	1	HOSE
	70921912	4	CLAMP (1-1/16" to 2")
10	73072790	1	HOSE
	70921912	4	CLAMP (1-1/16" to 2")



MEMO

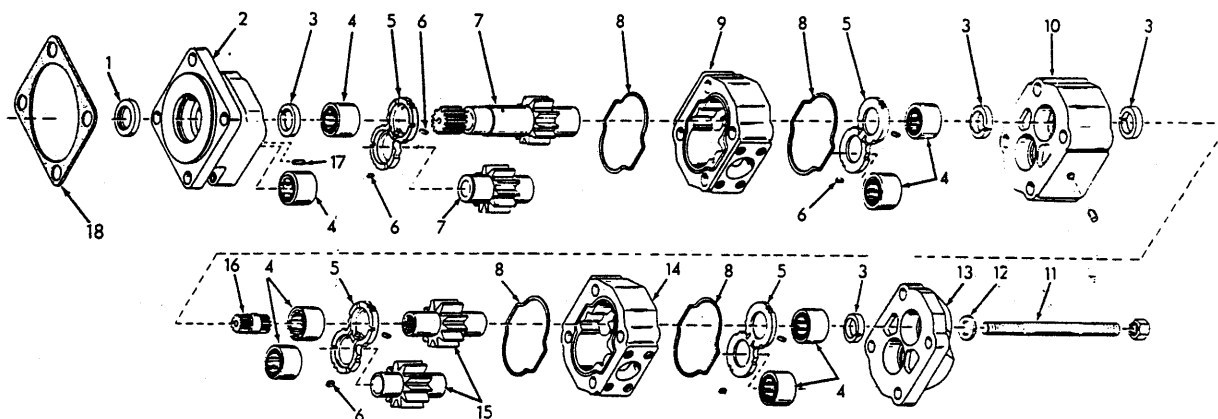


T-73289

### HYDRAULIC PUMP AND PIPING

USAGE:	All Loader series excluding 33A but including 33A 07958, 08023, 08024, 08025, 08029,		
ITEM	PART NO.	QTY.	DESCRIPTION
1	73006439	2	HOSE, 1-1/2" I.D. x 4-3/4"
	70921912	8	CLAMP (1-1/16" to 2")
2	73053566	1	TUBE ASSY.
	70923664	1	O-RING, sealing
	70921117	2	FLANGE
	70916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	70914678	4	LOCKWASHER, 7/16"
3	73053567	1	TUBE ASSY.
	70923664	1	O-RING
	70921117	2	FLANGE
	70916197	4	CAPSCREW, 7/16" NC x 1-1/4"
	70914678	4	LOCKWASHER, 7/16"
4	-----	1	PUMP ASSY. (See page 170)
	70916311	4	CAPSCREW, 1/2" NC x 1-1/4"
	70912441	4	LOCKWASHER, 1/2"
5	73047173	1	HOSE ASSY
	70922411	1	CONNECTOR, 1" tube, 1-5/8" str. thd (Includes 1 O-RING indented below)
	70923718	1	O-RING
	70921116	2	FLANGE
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
	70921235	1	O-RING (connector)

(Revised April 1981)

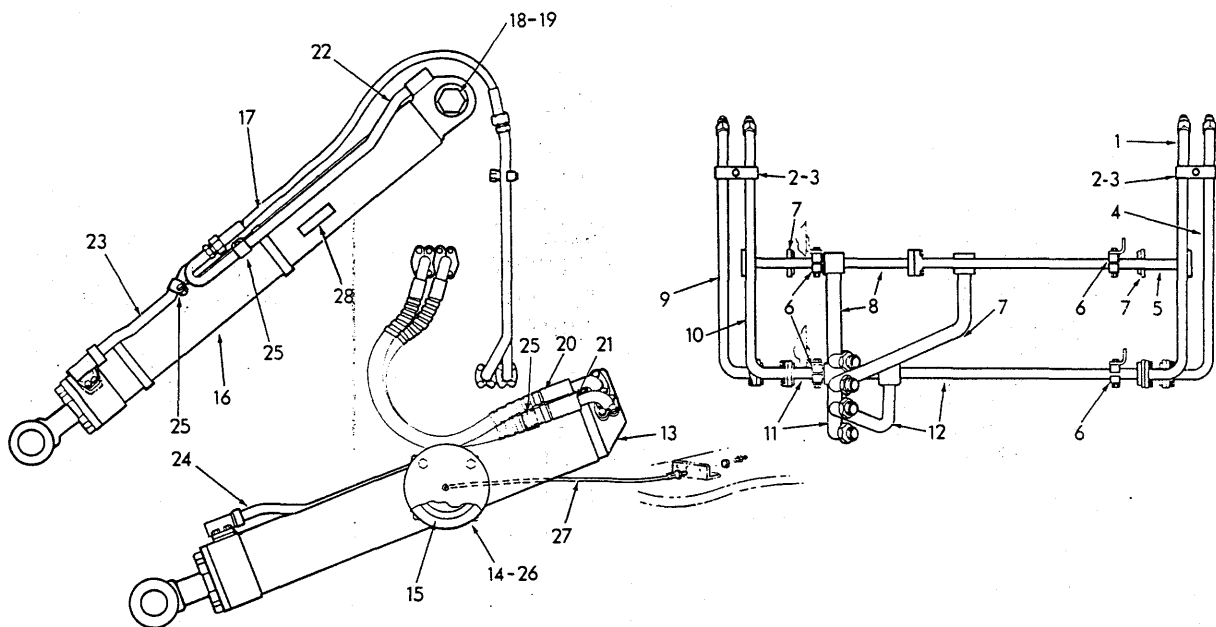


T-70664

# HYDRAULIC PUMP ASSEMBLY

USAGE: See page 161 and 169.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73058681	1	PUMP ASSY. (Includes items 1 thru 18)
1	73045975	1	SEAL
2	73061915	1	COVER ASSY., end (Includes item 1, 17 and qty. 2 item 4)
3	73053766	1	KIT (Consists of 4 seal)
4	73045977	8	BEARING
5	73064956	4	PLATE (wear)
6	73046521	1	SEAL (One strip 3-1/4", cut to fit pocket)
7	73064961	1	GEAR SET (Consists of drive shaft and driven gear)(for first replacement also order item 5)
8	70926813	4	RING
9	73045972	1	HOUSING
10	73052784	1	CARRIER ASSY. (Includes 2 seal, qty. 4 item 8 and 1 PLUG indented below)
	70930509	1	PLUG, ctsk. hd., 1/8" NPT
11	73052786	4	STUD
12	70659494	4	WASHER, plain
	70923459	4	NUT, 5/8" NC
13	73052785	1	COVER ASSY., port end (Includes 1 seal and qty. 2 item 4)
14	73052783	1	HOUSING
15	73064962	1	GEAR SET (for first replacement also order item 5)
16	70664020	1	SHAFT
17	70669623	1	PLUG
18	73058299	1	GASKET



T-73250

## HYDRAULIC PIPING AND CYLINDERS

(Front Section)

ITEM	PART NO.	QTY	DESCRIPTION
1	73056767	1	TUBE ASSY., dump cylinder
2	73052340	4	CLAMP (half)
	70920275	2	CAPSCREW, 3/8" NC x 3"
	70910287	2	LOCKWASHER, 3/8"
3	73057233	2	BLOCK
4	73056765	1	TUBE ASSY., dump cylinder
5	73044154	1	TUBE ASSY.
	70923718	1	O-RING
	70921116	2	FLANGE, half (1" dia.)
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
6	73044134	8	CLAMP (half)
	70916387	4	CAPSCREW, 3/8" NF x 2-1/2"
	70911115	4	WASHER, plain, 3/8"
	70910287	4	LOCKWASHER, 3/8"
	70910123	4	NUT, 3/8" NF
7	73052138	1	TUBE ASSY., boom lower
	70923718	1	O-RING
	70921116	2	FLANGE, half (1" dia.)
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
8	73052402	1	TUBE ASSY., boom lift
	70923718	1	O-RING
	70921116	2	FLANGE, half (1" dia.)
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"

(Continued)

HYDRAULIC PIPING AND CYLINDERS (Continued)  
(Front Section)

ITEM	PART NO.	QTY.	DESCRIPTION
9	73056764	1	TUBE ASSY., boom cylinder
10	73056766	1	TUBE ASSY., boom cylinder
11	73052140	1	TUBE ASSY., bucket dump
	70923718	1	O-RING
	70921116	2	FLANGE, half (1" dia.)
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
12	73052139	1	TUBE ASSY., bucket retract
	70923718	1	O-RING
	70921116	2	FLANGE, half (1" dia.)
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
13	-----	1	CYLINDER ASSY., lift (See page 178)
14	73043705	4	CAGE ASSY. (Includes item 15)
	70916420	16	CAPSCREW, 1/2" NF x 2-1/4"
	70912441	16	LOCKWASHER, 1/2"
	70910195	16	NUT, 1/2" NF
	70924178	4	FITTING, lube, 1/8" NPT
15	73043734	4	BUSHING
16	-----	1	CYLINDER ASSY., dump (See page 176)
17	73056768	4	HOSE ASSY., dump cylinder (See HOSE PARTS)
18	73044869	2	PIN
	73062630	-	WASHER, .060" thick (Use as required)
19	73001559	2	WASHER, plain
	70917835	2	LOCKNUT, 1-1/2" NF
20	73044144	1	HOSE ASSY., left, boom lower line (Used prior to unit no. 07108)
	73071129	1	HOSE ASSY., left, boom lower line (Effective with unit no. 07108)
	73044145	1	HOSE ASSY., right, boom lower line (Used prior to unit no. 07108)
	73071130	1	HOSE ASSY., right, boom lower line (Effective with unit no. 07108)
	70923718	4	O-RING
	70921116	8	FLANGE, split (1" dia.)
	70916272	16	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	16	LOCKWASHER, 3/8"
21	73044164	1	HOSE ASSY., left, boom lift line (Used prior unit no. 07108)
	73071131	1	HOSE ASSY., left, boom lift line (Effective with unit no. 07108)
	73044165	1	HOSE ASSY., right, boom lift line (Used prior to unit no. 07108)
	73071132	1	HOSE ASSY., right, boom lift line (Effective with unit no. 07108)
	70923718	4	O-RING
	70921116	8	FLANGE, split (1" dia.)
	70916272	16	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	16	LOCKWASHER, 3/8"

1/2" Qty. used with out-  
side trunnion on Loader  
series 21C, 10L effective  
with unit no. 06217; also  
used on all Loader series  
21S, 33A

See HOSE PARTS

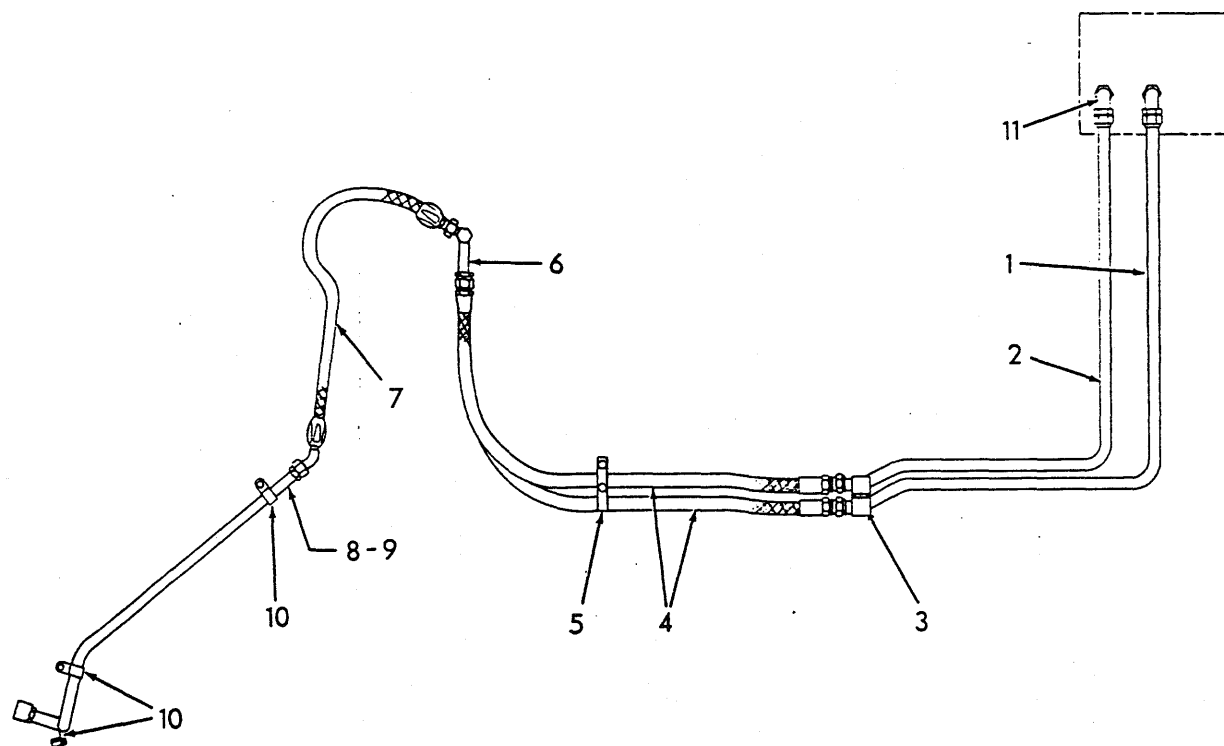
See HOSE PARTS

(Continued)

HYDRAULIC PIPING AND CYLINDERS (Continued)  
(Front Section)

ITEM	PART NO.	QTY.	DESCRIPTION
22	73052211	1	TUBE ASSY., left
	73052212	1	TUBE ASSY., right
	70923718	2	O-RING
	70916274	8	CAPSCREW, 3/8" NC x 2-1/4"
	70910287	8	LOCKWASHER, 3/8"
23	73054889	1	TUBE ASSY., left
	73054890	1	TUBE ASSY., right
	70923575	2	O-RING
	70916272	8	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	8	LOCKWASHER, 3/8"
24	73055047	1	TUBE ASSY., left
	73055048	1	TUBE ASSY., right
	70923718	2	O-RING
	70916272	8	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	8	LOCKWASHER, 3/8"
25	73019133	6	CLIP
	70916271	6	CAPSCREW, 3/8" NC x 1"
	70911115	6	WASHER, plain, 3/8"
	70910287	6	LOCKWASHER, 3/8"
26	73066613	2	CAGE ASSY., inside (Each includes qty. 1 item 15) (Used on Loader series 21C, 10L effective with unit no. 06217; also used on all Loader series 21S, 33A)
	70916420	8	CAPSCREW, 1/2" NF x 2-1/4"
	70912441	8	LOCKWASHER, 1/2"
	70910195	8	NUT, 1/2" NF
	70932505	2	FITTING, relief, 1/8" NPSF
27	73066603	1	HOSE ASSY., right
	73066604	1	HOSE ASSY., left
	70933010	2	LOCKNUT, 1/8" NPSM
	70912808	2	FITTING, lube, 1/4" taper thd.
28	73107890	2	DECAL, scissors point

NOTE: Serviced only as a unit. (Used on Loader series 21C, 10L effective with unit no. 06217; also used on all Loader series 21S, 33A)

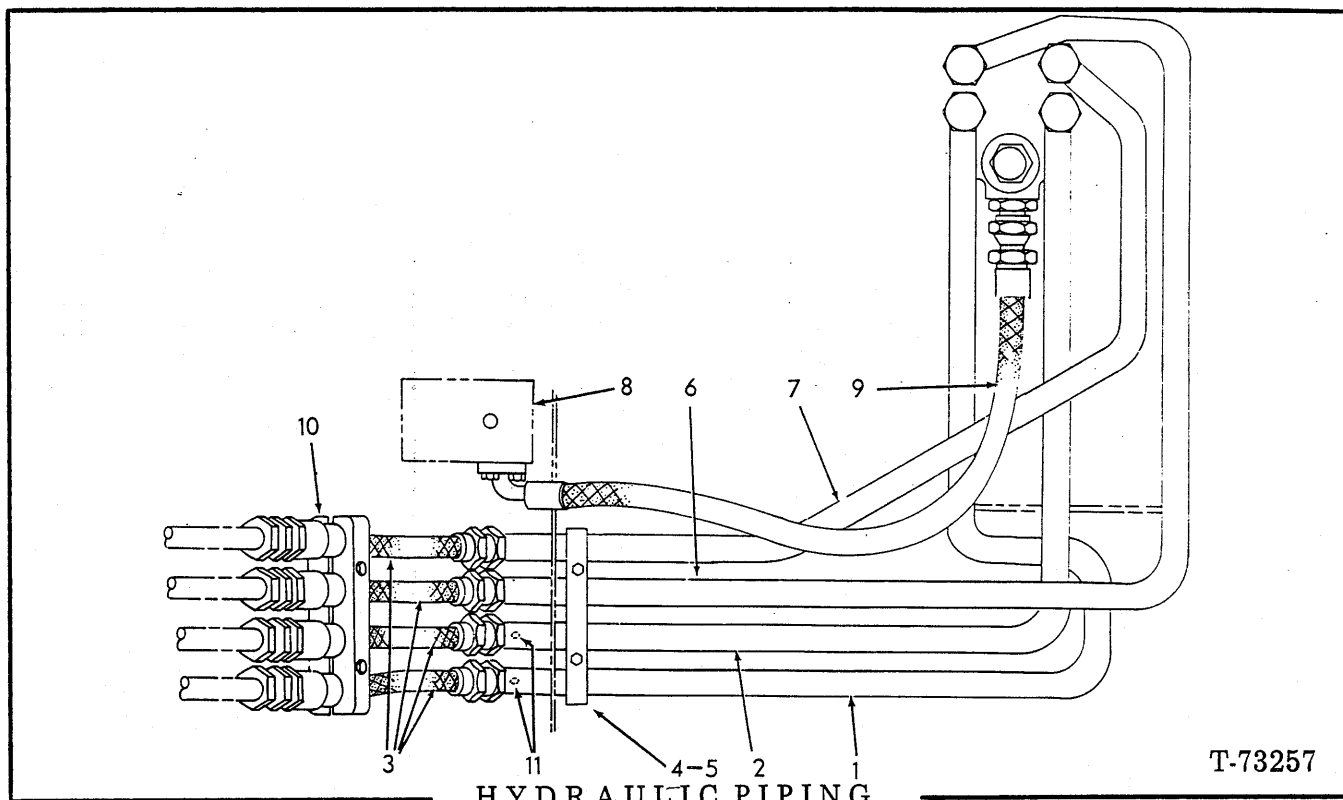


T-73256

# FRONT PIPING

USAGE: Special Equipment. Provides front hydraulic outlet for operating front mounted auxiliary equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73047170	1	TUBE ASSY. }
2	73047169	1	TUBE ASSY. } Control valve to hose
3	73044134	2	CLAMP
	70916387	1	CAPSCREW, 3/8" NF x 2-1/2"
	70910287	1	LOCKWASHER, 3/8"
	70910123	1	NUT, 3/8" NF
4	73052396	2	HOSE ASSY. (Crimped-type)(Serviced only as a unit)
5	70925608	2	CLIP
	70916225	2	CAPSCREW, 3/8" NF x 1"
	70910287	2	LOCKWASHER, 3/8"
6	73050616	2	TUBE ASSY.
7	73050618	2	HOSE ASSY. (Crimped-type)(Serviced only as a unit)
	70925031	2	ELBOW, bulkhd tube, 3/4" O.D. tube, 1-1/16" str. thd.
	70922186	2	LOCKNUT, 1-1/16" str. thd.
8	73050619	1	TUBE ASSY., left
	70922195	1	CAP, 1" tube
9	73050620	1	TUBE ASSY., right
	70922195	1	CAP, 1" tube
10	73019133	6	CLIP
	70915408	4	CAPSCREW, 3/8" NC x 3/4"
	70916268	2	CAPSCREW, 3/8" NC x 5/8"
11	70921227	2	ELBOW, 1" tube, 1-5/16" str. thd. (Each includes 1 O-RING indented below)
	70922195	2	CAP, flare type, 1" tube (Required only when piping not used)
	70921214	2	O-RING



T-73257

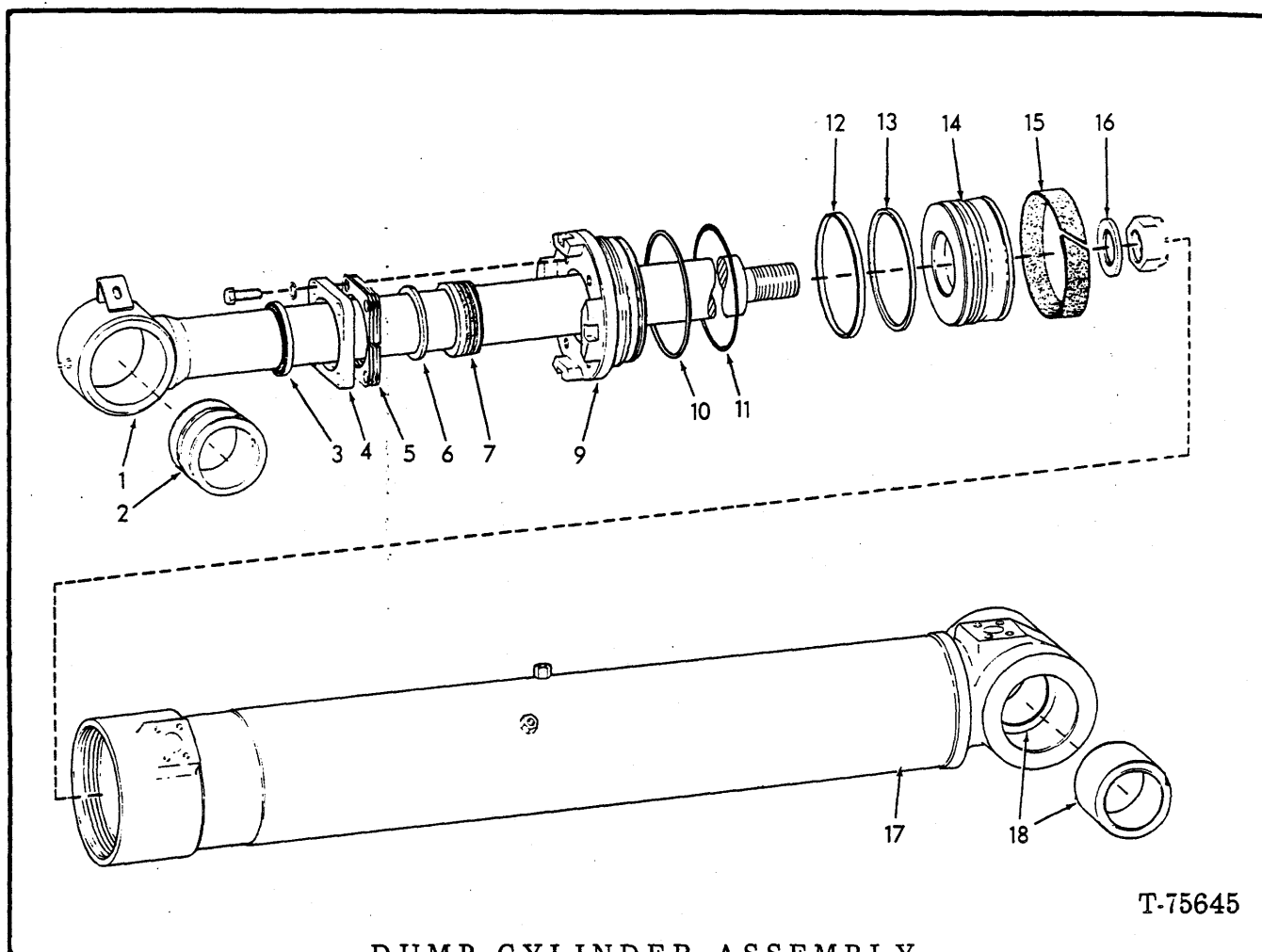
# HYDRAULIC PIPING

(Rear Section)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73055268	1	TUBE ASSY., bucket dump line
	70921228	1	CONNECTOR, 1" tube, 1-5/16" str. thd. (Includes qty. 1 item 12)
2	73055267	1	TUBE ASSY., bucket retract line
	70921228	1	CONNECTOR, flare type, 1" tube, 1-5/16" str. thd (Includes qty. 1 item 12)
3	73044146	4	HOSE ASSY., cross-over
4	73044152	1	CLAMP
	73045679	2	CLAMP
	70916275	2	CAPSCREW, 3/8" NC x 4-1/4"
	70911115	2	WASHER, plain, 3/8"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
5	73048524	2	SHIM, spacing
6	73055269	1	TUBE ASSY., boom lower line
	70921228	1	CONNECTOR, flare type, 1" tube, 1-5/16" str. thd. (Includes qty. 1 item 12)
7	73055270	1	TUBE ASSY., boom lift line
	70921228	1	CONNECTOR, flare type, 1" tube, 1-5/16" str. thd (Includes qty. 1 item 12)
8	-----	1	VALVE ASSY.
9	-----	1	HOSE ASSY.
10	73044295	2	CLAMP
	70916391	2	CAPSCREW, 3/8" NF x 4"
	70910287	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8" NF
11	70921467	2	CAP, 1/4" tube
12	70921214	4	O-RING

See page 161





DUMP CYLINDER ASSEMBLY

T-75645

USAGE: See page 173

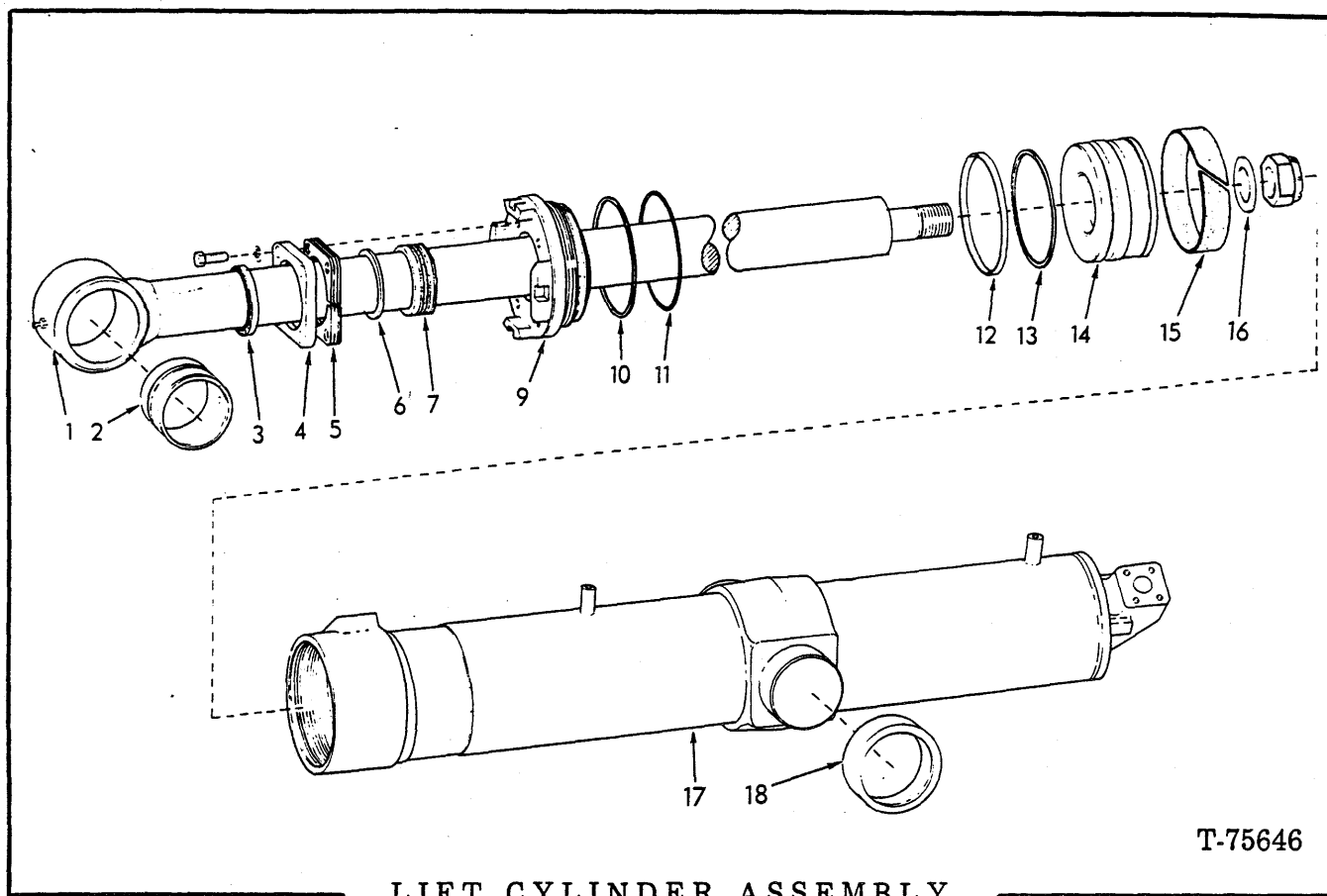
NOTE: Quantity indicated is for one CYLINDER ASSY.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058565	1	CYLINDER ASSY., left (Includes items 1 thru 18)(shown)
	73058566	1	CYLINDER ASSY., right (Includes items 1 thru 18)
	73058558	1	ROD ASSY. (Includes item 2)
	73073210	1	LOCKNUT, 1-3/8" NF
2	70914465	1	FITTING, 1/8" NPT
3	73045049	1	BUSHING
4	73053637	1	WIPER
	73069497	1	PLATE
	70914847	4	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	4	LOCKWASHER, 3/8"
5	73054831	4	SHIM (.0299" thick)
6	.....	-	WASHER (Not required)(Order item 4)
7	73053828	1	PACKING ASSY.
8	73053827	1	BUSHING, rod packing (not illustrated)(use with early units only)
9	73062231	1	HEAD
10	73063366	1	RING

(Continued)

# DUMP CYLINDER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	70924923	1	O-RING
12	73053825	1	RING
13	70926817	1	RING
14	73054833	1	PISTON
15	73053826	1	RING
16	73055413	1	SPACER
17	{ 73058563	1	TUBE ASSY., left (Includes item 18)(shown)
	73058564	1	TUBE ASSY., right (Includes item 18)
	70914465	1	FITTING, 1/8" NPT
18	73050171	2	BUSHING
-	73056492	1	REPAIR KIT (Consists of items 3, 5, 7, 10, 11, 12, 13 and 15)



T-75646

# LIFT CYLINDER ASSEMBLY

USAGE: See page 171

NOTE: Quantity indicated is for one CYLINDER ASSY.

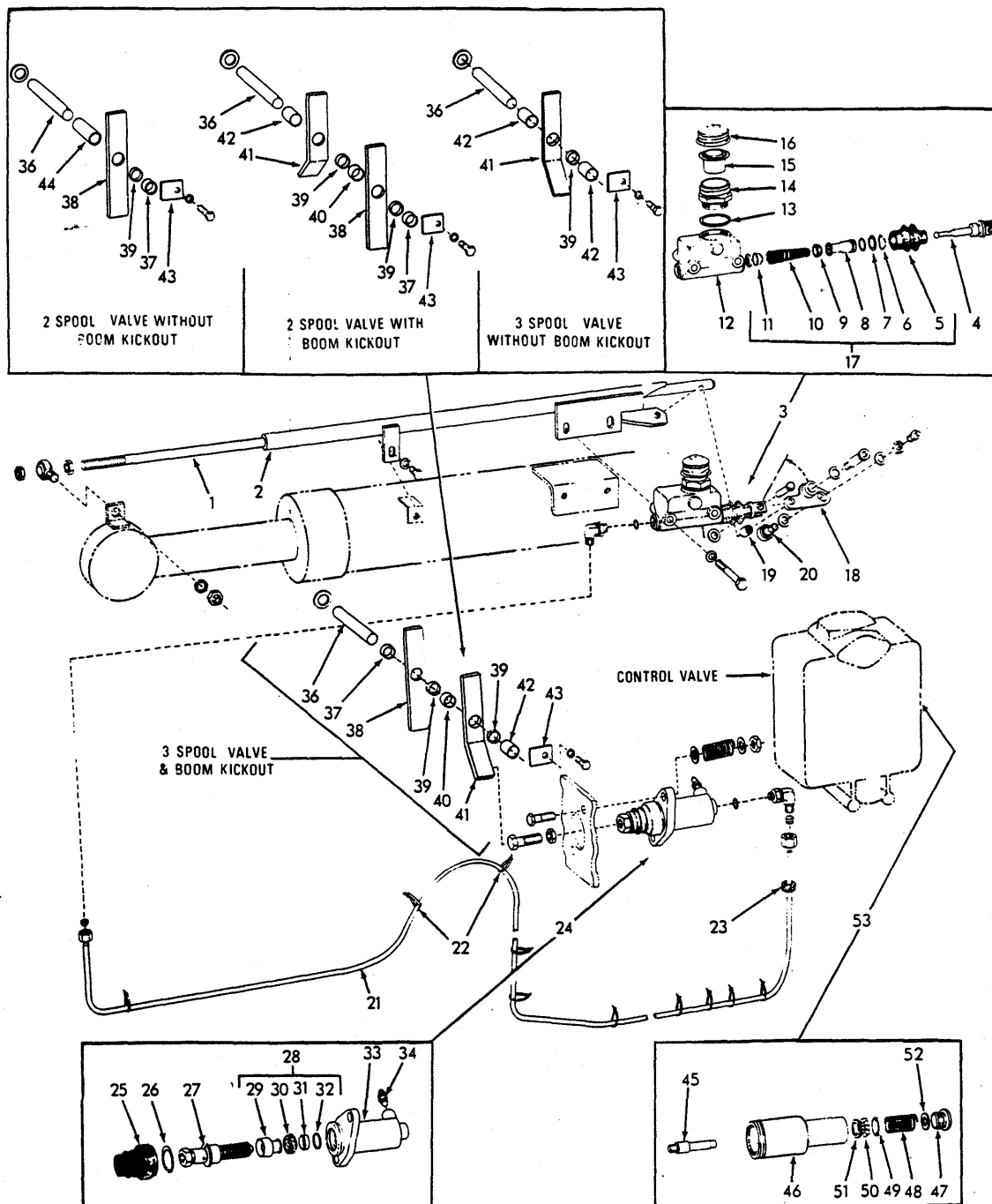
ITEM	PART NO.	QTY	DESCRIPTION
1	73054963	1	CYLINDER ASSY., left (Includes items 1 thru 18)
	73054964	1	CYLINDER ASSY., right (Includes items 1 thru 18)
	73055817	1	ROD ASSY. (Includes item 2)
	73073212	1	LOCKNUT, 1-3/4"NF
	70914465	1	FITTING, 1/8" NPT
2	73045092	1	BUSHING
3	73052879	1	WIPER
4	73059335	1	PLATE
	70914847	4	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	4	LOCKWASHER, 3/8"
5	73054486	4	SHIM (.0299" thick)
6	.....	1	WASHER, packing guide (Not required on late models)( Early models order item 4)
7	73053886	1	PACKING ASSY.
8	73054066	1	BUSHING, rod packing (Not illustrated)(Use with early units only)
9	73062214	1	HEAD
10	73063368	1	RING
11	70924925	1	O-RING
12	73052998	1	RING, outer

(Continued)

(Revised January 1982)

# LIFT CYLINDER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	70926819	1	RING
14	73054079	1	PISTON
15	73052996	1	RING, wear
16	73053977	1	SPACER
17	{ 73057757	1	TUBE ASSY., left (Includes item 18)
	{ 73057758	1	TUBE ASSY., right (Includes item 18)
18	73054574	2	BUSHING
-	73056485	1	REPAIR KIT (Includes items 3, 5, 7, 10, 11, 12, 13 and 15)



# AUTOMATIC BUCKET LEVELER

T-76654

USAGE: Special equipment. Standard on Loaders series 33A effective unit No. 07947 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058458	1	ROD
	73045248	1	BEARING
	70912441	1	LOCKWASHER, 1/2"
	70910195	2	NUT, 1/2" NF
	70910325	2	NUT, 1/2" NC
	70910244	2	WASHER, plain, 1/2"

(Continued)

(Revised April 1981)

# AUTOMATIC BUCKET LEVELER (Continued)

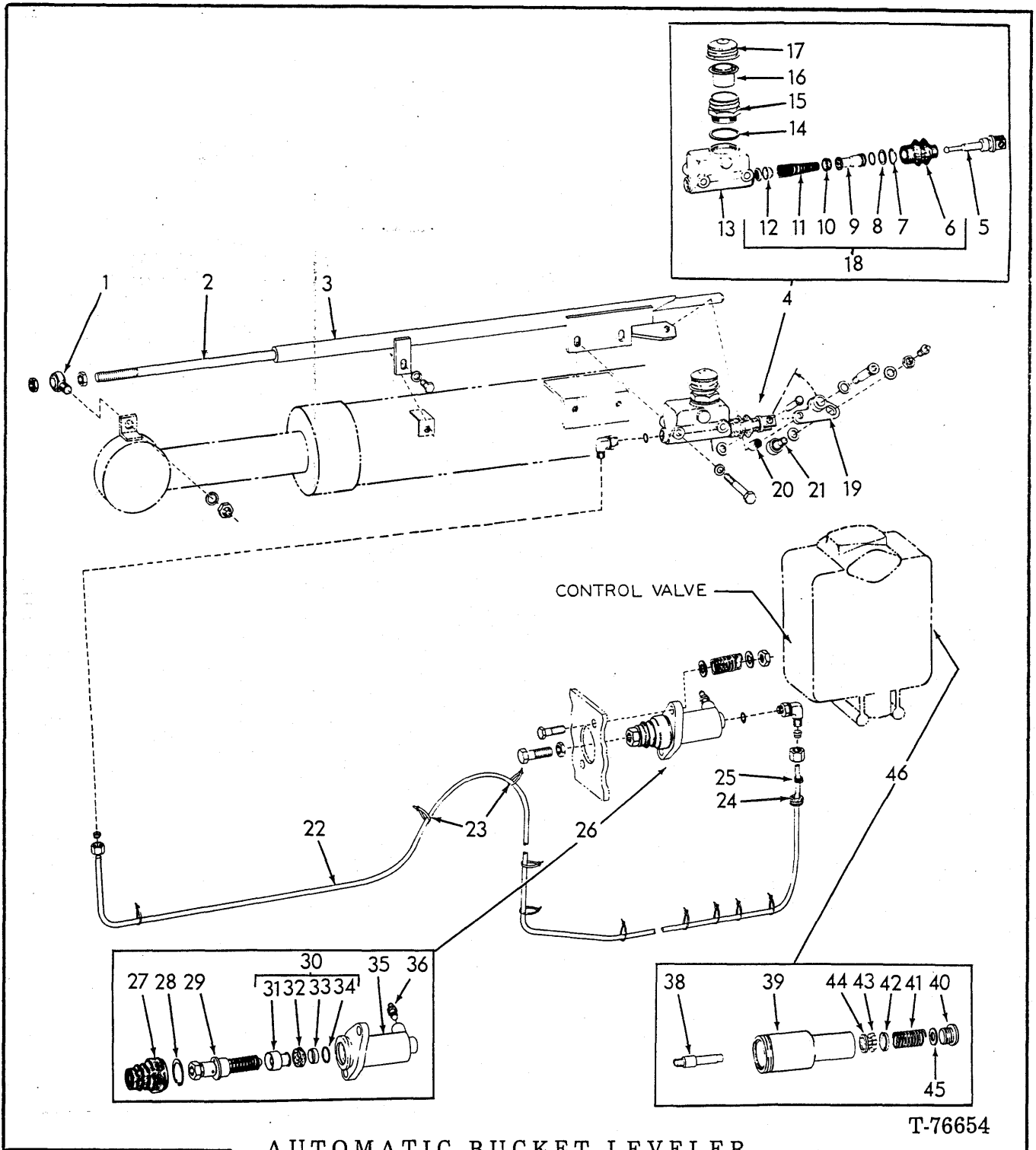
ITEM	PART NO.	QTY.	DESCRIPTION
2	73057523	1	TUBE ASSY.
	70915408	1	CAPSCREW, 3/8" NC x 3/4"
	70910287	1	LOCKWASHER, 3/8"
3	73076581	1	CYLINDER ASSY., master (Includes items 4 thru 16)
	70920275	2	CAPSCREW, 3/8" NC x 3"
	70910287	2	LOCKWASHER, 3/8"
4	73058980	1	ROD
5	73076584	1	BOOT
6	73058978	1	LOCKWIRE
7	-----	1	PLATE (Order item 17)
8	-----	1	PISTON ASSY. (Includes 1 O-RING indented below)(Order item 17)
	70929194	1	O-RING
9	73058975	1	CUP
10	73058974	1	SPRING ASSY.
11	-----	1	VALVE ASSY. (Order item 17)
12	-----	1	HOUSING (Order item 3)
13	73058981	1	GASKET
14	73058982	1	ADAPTER
15	73058983	1	DIAPHRAGM
16	73058984	1	CAP
17	73076583	1	REPAIR KIT, master cylinder (Consists of items 5 thru 9 and 11)
18	73057547	1	BELLCRANK ASSY. (Includes items 19 and 20)
	73059213	1	CAPSCREW, shoulder, 1/4" hex socket, 3/8"
	70910244	1	WASHER, plain, 1/2"
19	70928434	1	BEARING
20	73059248	1	FOLLOWER
	70912298	3	WASHER, plain, 7/16"
	70911042	1	NUT, 7/16" NF
	70916584	1	PIN, clevis, 5/16" x 1-1/4"
	70900806	1	PIN, cotter, 1/8" x 1"
	70917200	1	FITTING, lube, 3/16" drive type
21	-----	-	TUBE, 156" (Refer to item 54)
	70928625	2	ELBOW ASSY., compression type (Includes nut, sleeve and O-ring indented below)
	70930350	2	SLEEVE, 1/4"
	70930351	2	NUT, 1/4" NF
	70921883	2	O-RING, 11/32" I.D.
22	70925094	10	CLIP
23	73048123	-	CHANNEL (25' length - use as required)
24	73057432	1	CYLINDER ASSY. (Includes items 25 thru 34)
	70927218	2	CAPSCREW, 3/8" NC x 2-3/4"
	70911115	4	WASHER, 3/8"
	70619260	2	SPRING
	70918308	2	NUT, lock, 3/8" NC
	70913105	1	CAPSCREW, 1/2" NF x 1-1/2"
	70913177	1	NUT, 1/2" NF
25	70067487	1	BOOT
26	70927694	1	RING

(Continued)

(Revised September 1980)

# AUTOMATIC BUCKET LEVELER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
27	73058960	1	ROD ASSY. (Serviced only as a unit)	
28	73058959	1	PISTON ASSY. (Includes items 29 thru 32)	
29	-----	1	PISTON (Order item 28)	
30	73058962	1	CUP	
31	73058963	1	RETAINER	} Also see item 35
32	70927783	1	RING	
33	-----	1	HOUSING (Order item 24)	
34	70638413	1	SCREW, bleeder	
35	73058961	1	REPAIR KIT, slave cylinder (Consists of items 25, 26, 30, 31 32 and lockwire)(Lockwire not required for this application)	
36	73057869	1	SHAFT	
	70910255	1	WASHER, plain, 3/4"	
37	73057188	1	SPACER, 11/16" long	
38	73057875	1	LEVER ASSY. (Includes one item 39)	
39	73057872	2	BUSHING	
40	73057197	1	SPACER, 3/4" long	
41	73057876	1	LEVER ASSY. (Includes one item 39)	
42	73057198	2	SPACER, 1-5/8" long	
43	73057868	1	TAB	
	70916284	1	CAPSCREW, 1/4" NC x 1/2"	
	70904204	1	LOCKWASHER, 1/4"	
44	73058106	1	SPACER, 2-15/16" long	
45	73068884	1	STUD	} Also see item 53
46	73052674	1	CAP, detent	
47	-----	1	PLUG (First type)	
	73069094	1	PLUG (for initial replacement also order item 52)	
48	73059182	1	SPRING	
49	73051812	1	CAM	
50	73051813	8	BALL	
51	73063558	1	WASHER	
52	73069092	1	WASHER	
53	73058308	1	DETENT KIT, bucket spool (Includes items 45 thru 52)	
54	73059021	-	TUBE (100' length - use as required)	



USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73045248	1	BEARING
	70912441	1	LOCKWASHER, 1/2"
	70910244	2	WASHER, plain, 1/2"
	70910195	2	NUT, 1/2" NF

(Continued)



# AUTOMATIC BUCKET LEVELER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	73058458	1	ROD
	70910325	2	NUT, 1/2" NC
3	73057523	1	TUBE ASSY.
	70915408	1	CAPSCREW, 3/8" NC x 3/4"
	70910287	1	LOCKWASHER, 3/8"
4	73076581	1	CYLINDER ASSY., master (Includes items 5 thru 17)
	70920275	2	CAPSCREW, 3/8" NC x 3"
	70910287	2	LOCKWASHER, 3/8"
5	73058980	1	ROD
6	73076584	1	BOOT
7	73058978	1	LOCKWIRE
8	-----	1	PLATE (Order item 18)
9	-----	1	PISTON ASSY. (Includes 1 O-RING indented below)(Order item 18)
	70929194	1	O-RING
10	73058975	1	CUP (Also see item 18)
11	73058974	1	SPRING ASSY.
12	-----	1	VALVE ASSY. (Order item 18)
13	-----	1	HOUSING (Order item 4)
14	73058981	1	GASKET
15	73058982	1	ADAPTER
16	73058983	1	DIAPHRAGM
17	73058984	1	CAP
18	73076583	1	REPAIR KIT, master cylinder (Consists of items 6 thru 10 and 12)
19	73057547	1	BELLCRANK ASSY. (Includes items 20 and 21)
	73059213	1	CAPSCREW, shoulder, 1/4" hex socket, 3/8" NC
	70910244	1	WASHER, plain, 1/2"
20	70928434	1	BEARING
21	73059248	1	FOLLOWER
	70912298	3	WASHER, plain, 7/16"
	70911042	1	NUT, 7/16" NF
	70916584	1	PIN, clevis, 5/16" x 1-1/4"
	70900806	1	PIN, cotter, 1/8" x 1"
	70917200	1	FITTING, lube, 5/16" drive type
22	-----	-	TUBE, 156" (Refer to item 47)
	70928625	2	ELBOW ASSY., compression type, str. thd. male (Includes NUT, SLEEVE and O-RING indented below)
	70930350	2	SLEEVE, 1/4"
	70930351	2	NUT, 1/4" NF
	70921883	2	O-RING, 11/32" I.D.
23	70925094	10	CLIP
24	73048123	-	CHANNEL, (25' roll - use as required)
25	70921230	1	GROMMET
26	73057432	1	CYLINDER ASSY., slave (Includes items 27 thru 36)
	70927218	2	CAPSCREW, 3/8" NC x 2-3/4"
	70911115	4	WASHER, 3/8"
	70619260	2	SPRING
	70918308	2	NUT, lock, 3/8" NC
	70913105	1	CAPSCREW, 1/2" NF x 1-1/2"
	70913177	1	NUT, 1/2" NF
27	70067487	1	BOOT
28	70927694	1	RING

Also see item 18

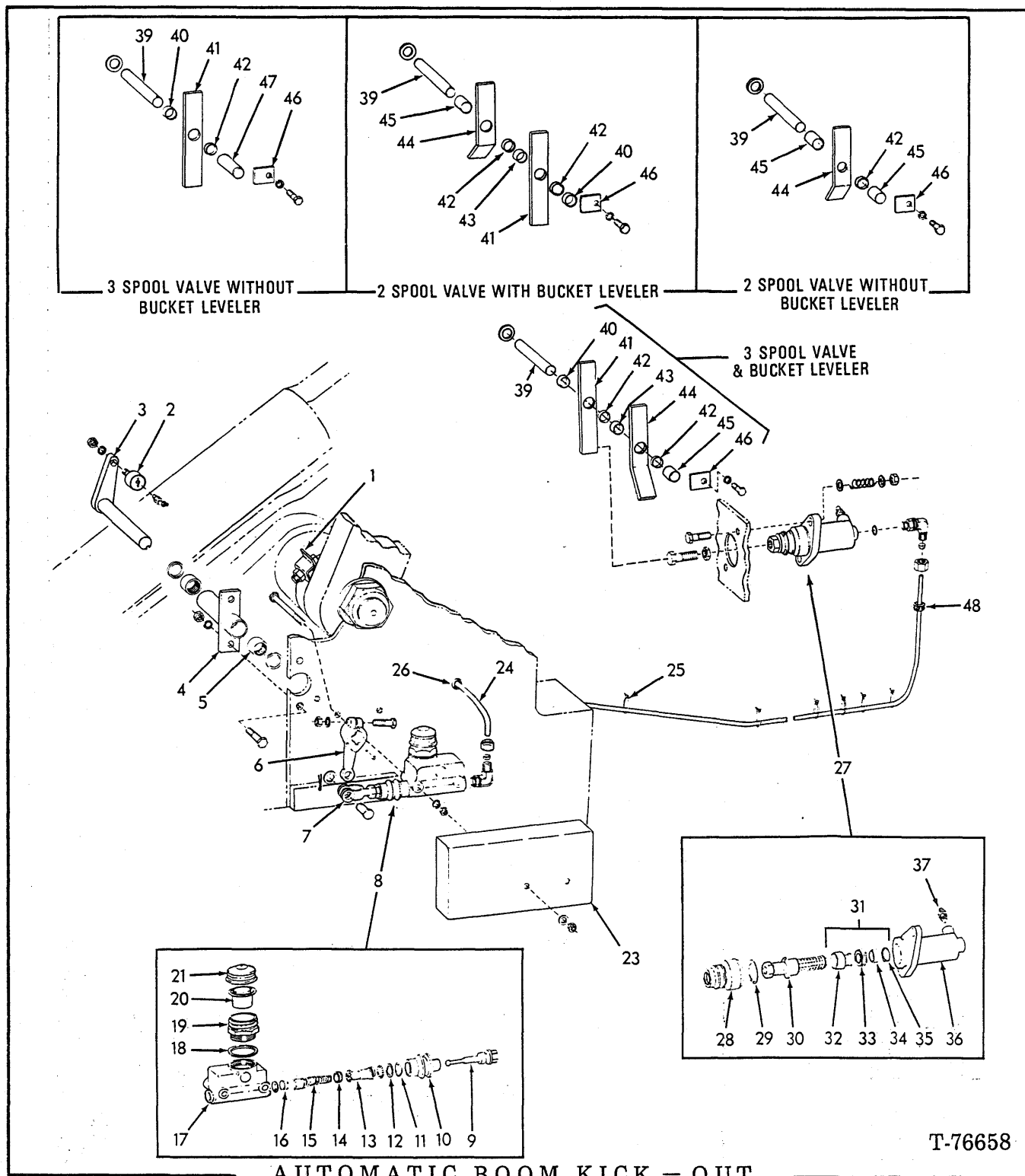
(Continued)

(Revised September 1980)

AUTOMATIC BUCKET LEVELER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	73058960	1	ROD ASSY. (Serviced only as a unit)
30	73058959	1	PISTON ASSY. (Includes items 31 thru 34)
31	-----	1	PISTON (Order item 30)
32	73058962	1	CUP
33	73058963	1	RETAINER      Also see item 37
34	70927783	1	RING
35	-----	1	HOUSING (Order item 26)
36	70638413	1	SCREW, bleeder
37	73058961	1	REPAIR KIT, slave cylinder (Consists of items 27, 28, 32, 33 and 34)
38	73068884	1	STUD
39	73052674	1	CAP
40	-----	1	CAP (First type)
41	73069094	1	PLUG (for initial replacement also order item 45)
42	73059182	1	SPRING
43	73051812	1	CAM
44	73051813	8	BALL
45	73063558	1	WASHER
46	73069092	1	WASHER
47	73058308	1	DETENT KIT, bucket spool (Includes items 38 thru 45)
47	73059021	-	TUBE (100' length - use as required)

Also  
see  
item  
46



USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058915	1	CLAMP ASSY. (boom level adjustment)( Includes capscrew)
2	70684010	1	CAM
	70914678	1	LOCKWASHER, 7/16"
	70911042	1	NUT, 7/16" NF
	70917889	1	FITTING, lube, 3/16" drive type

(Continued)

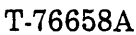
# AUTOMATIC BOOM KICK - OUT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	73058913	1	LEVER
4	73058935	1	BRACKET ASSY. (Includes item 5)
	70914847	2	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
5	70929241	2	BEARING
6	73058897	1	LEVER
	70925225	1	KEY, flat, 1/8" x 3/16" x 61/64"
	70914847	1	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NF
7	73058896	1	YOKE
	70910324	1	NUT, 3/8" NC
	70917648	1	PIN
	70900806	1	PIN, cotter, 1/8" x 1"
8	73076582	1	CYLINDER ASSY., master (Includes items 9 thru 21)
	70916275	2	CAPSCREW, 3/8" NC x 3-3/4"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
9	73059079	1	ROD, push
10	73076584	1	BOOT
11	73058978	1	LOCKWIRE } Also see item 22
12	-----	1	PLATE (Order item 22)
13	-----	1	PISTON ASSY. (Includes 1 O-RING indented below)(Order item 22)
	70919194	1	O-RING
14	73058975	1	CUP (Also see item 22)
15	73058974	1	SPRING ASSY.
16	-----	1	VALVE ASSY. (Order item 22)
17	-----	1	HOUSING (Order item 3)
18	73058981	1	GASKET
19	73058982	1	ADAPTER
20	73058983	1	DIAPHRAGM
21	73058984	1	CAP
22	73076583	1	REPAIR KIT, master cylinder (Consists of items 10 thru 14 and 16)
23	73058931	1	COVER
	70911115	2	WASHER, plain, 3/8"
	70910324	2	NUT, 3/8" NF
24	-----	-	TUBE, 108" (Refer to item 49)
	70928625	2	ELBOW ASSY., compression type (Includes NUT, SLEEVE and O-RING indented below)
	70930350	2	SLEEVE, 1/4"
	70930351	2	NUT, 1/4" NF
	70921883	2	O-RING, 11/32" I.D.
25	70925094	6	CLIP
26	70925425	1	GROMMET
27	73057432	1	CYLINDER ASSY., slave (Includes items 28 thru 37)
	70927218	2	CAPSCREW, 3/8" NC x 2-3/4"
	70911115	4	WASHER, 3/8"
	70619260	2	SPRING
	70918308	2	NUT, lock, 3/8" NC
	70913105	1	CAPSCREW, 1/2" NF x 1-1/2"
	70913177	1	NUT, 1/2" NF

(Continued) (Revised September 1980)

# AUTOMATIC BOOM KICK-OUT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
28	70067487	1	BOOT
29	70927694	1	RING
30	73058960	1	ROD ASSY. (Serviced only as a unit)
31	73058959	1	PISTON ASSY. (Includes items 32 thru 35)
32	-----	1	PISTON (Order item 31)
33	73058962	1	CUP
34	73058963	1	RETAINER
35	70927783	1	RING
36	-----	1	HOUSING (Order item 27)
37	70638413	1	SCREW, bleeder
38	73058961	1	REPAIR KIT, slave cylinder (Consists of items 28, 29, 33, 34, 35 and lockwire)(Lockwire not required for this application)
39	73057869	1	SHAFT
	70910255	1	WASHER, plain, 3/4"
40	73057188	1	SPACER, 11/16" long
41	73057875	1	LEVER ASSY. (Includes one item 42)
42	73057872	2	BUSHING
43	73057197	1	SPACER, 3/4"
44	73057876	1	LEVER ASSY. (Includes one item 42)
45	73057198	2	SPACER, 1-5/8" long
46	73057868	1	TAB
	70916284	1	CAPSCREW, 1/4" NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"
47	73058106	1	SPACER, 2-15/16" long
48	-----	-	CHANNEL, rubber, 7" (Refer to item 50)
49	73059021	-	TUBE (100' roll - use as required)
50	73048123	-	CHANNEL (25' roll - use as required)



**USAGE:** Special Equipment

(Continued)

AUTOMATIC BOOM KICK-OUT (Continued)  
(Single Lever Control)

ITEM	PART NO.	QTY.	DESCRIPTION
6	73058897	1	LEVER
	70925225	1	KEY, flat, 1/8" x 3/16" x 61/64"
	70914847	1	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC
7	73058896	1	YOKE
	70910324	1	NUT, 3/8" NC
	70917648	1	PIN, connecting, lever
	70900806	1	PIN, cotter, 1/8" x 1"
8	73076582	1	CYLINDER ASSY., master (Includes items 9 thru 21)
	70916275	2	CAPSCREW, 3/8" NC x 3-3/4"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
9	73059079	1	ROD, push
10	73076584	1	BOOT
11	73058978	1	LOCKWIRE } Also see item 22
12	-----	1	PLATE (Order item 22)
13	-----	1	PISTON ASSY. (Includes 1 O-RING indented below)(Order item 22)
	70929194	1	O-RING
14	73058975	1	CUP (Also see item 22)
15	73058974	1	SPRING ASSY.
16	-----	1	VALVE ASSY. (Order item 22)
17	-----	1	HOUSING (Order item 8)
18	73058981	1	GASKET
19	73058982	1	ADAPTER
20	73058983	1	DIAPHRAGM
21	73058984	1	CAP
22	73076583	1	REPAIR KIT, master cylinder (Consists of items 10 thru 14 and 16)
23	73058931	1	COVER
	70911115	2	WASHER, plain, 3/8"
	70910324	2	NUT, 3/8" NC
24	-----	-	TUBE, 108" (Refer to item 40)
	70928625	2	ELBOW ASSY., compression type (Includes NUT, SLEEVE and O-RING indented below)
	70930350	2	SLEEVE, 1/4"
	70930351	2	NUT, 1/4" NF
	70921883	2	O-RING, 11/32" I.D.
25	70925094	6	CLIP
26	70925425	1	GROMMET
27	73057432	1	CYLINDER ASSY., slave (Includes items 28 thru 37)
	70927218	2	CAPSCREW, 3/8" NC x 2-3/4"
	70911115	4	WASHER, 3/8"
	70619260	2	SPRING
	70918308	2	NUT, lock, 3/8" NC
	70913105	1	CAPSCREW, 1/2" NF x 1-1/2"
	70913177	1	NUT, 1/2" NF
28	70067487	1	BOOT
29	70927694	1	RING } Also see item 38

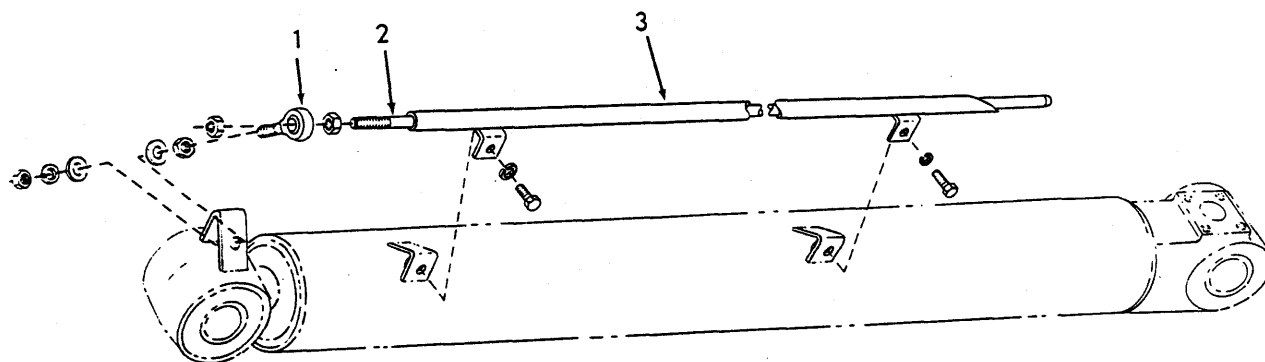
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(Revised September 1980)

AUTOMATIC BOOM KICK-OUT (Continued)  
(Single Lever Control)

ITEM	PART NO.	QTY.	DESCRIPTION
30	73058960	1	ROD ASSY., push (Serviced only as a unit)
31	73058959	1	PISTON ASSY., hydraulic (Includes items 32 thru 35)
32	-----	1	PISTON, hydraulic (Order item 31)
33	73058962	1	CUP
34	73058963	1	RETAINER
35	70927783	1	RING
36	-----	1	HOUSING (Order item 27)
37	70638413	1	SCREW, bleeder
38	73058961	1	REPAIR KIT, slave cylinder (Consists of items 28, 29, 33, 34, 35 and lockwire)(Lockwire not required for this application)
39	-----	-	CHANNEL, rubber, 7" (Refer to item 41)
40	73059021	-	TUBE (100' roll -use as required)
41	73048123	-	CHANNEL (25' roll - use as required)





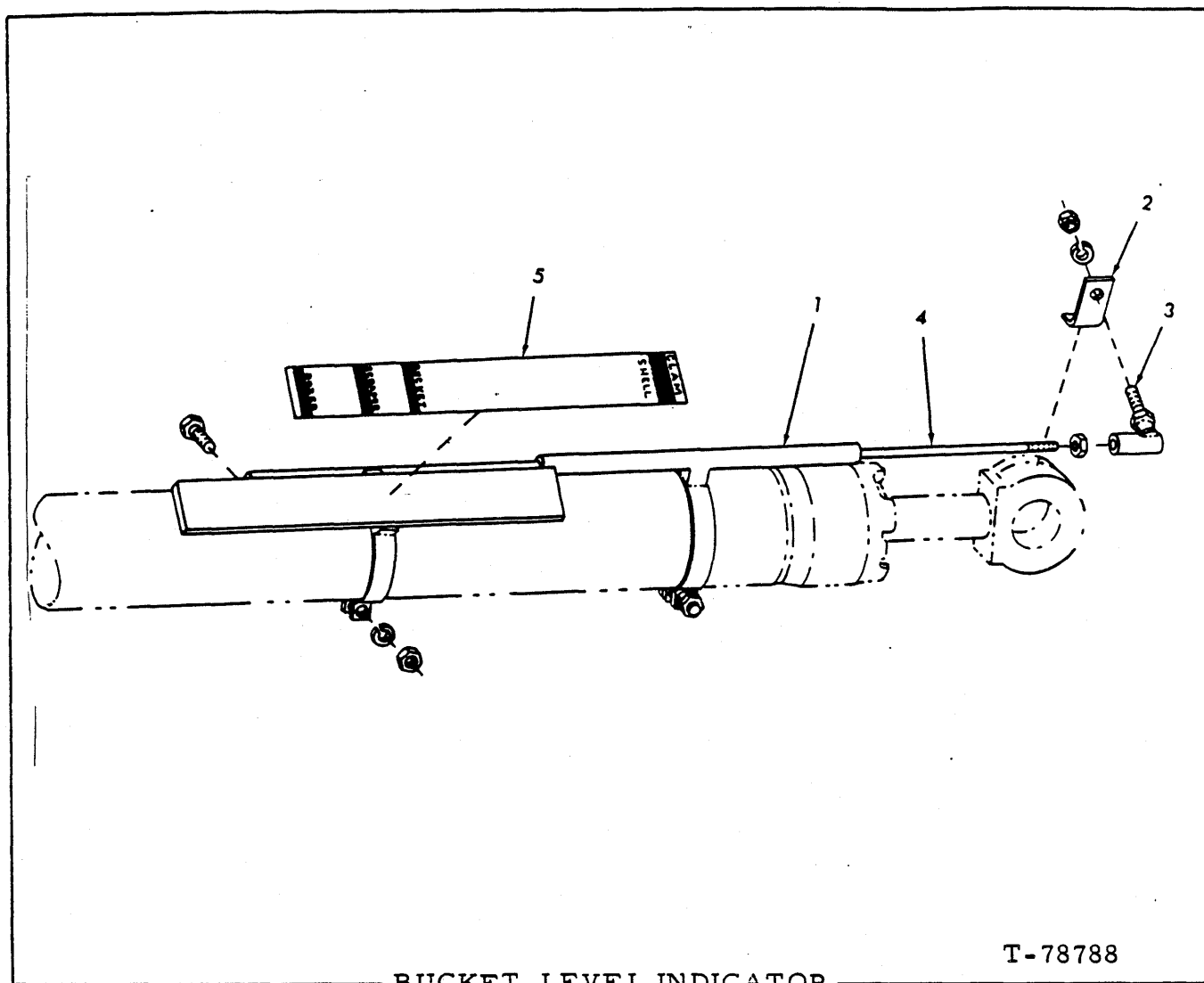
T-75694

### BUCKET LEVEL INDICATOR

USAGE: Not for Loaders series 33A. Also see page 192A.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73045248	1	BEARING
	70912441	1	LOCKWASHER, 1/2"
	70910244	2	WASHER, plain, 1/2"
	70910195	2	NUT, 1/2" NF
2	73056989	1	ROD
	70910325	2	NUT, 1/2"
3	73057966	1	PIPE ASSY.
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"



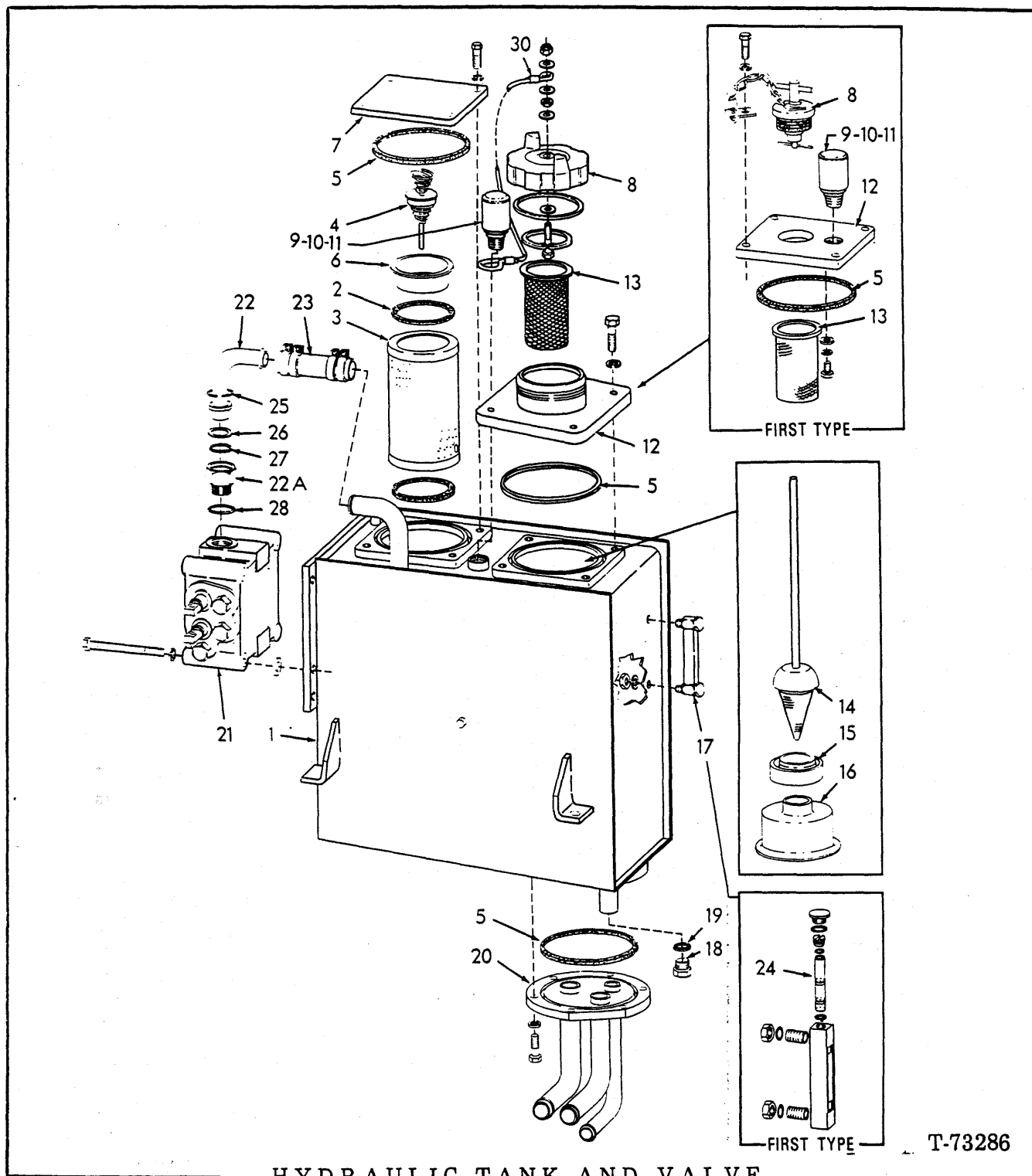


BUCKET LEVEL INDICATOR

T-78788

USAGE: Loaders series 33A only equipped with multi-purpose bucket. Effective S/N 33A07947 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73077687	1	INDICATOR ASSY. (Includes attaching hardware)
2	73052476	1	BRACKET (Requires welding)
3	70925042	1	JOINT, ball, 1/2"NF
	70904208	1	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
4	73044798	1	ROD
5	70668928	1	DECAL



T-73286

ITEM	PART NO.	QTY.	DESCRIPTION
1	73053574	1	TANK
	70913105	4	CAPSCREW, 1/2" NF x 1-1/2"
	70900818	4	WASHER, plain, 1/2"
	70912441	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2" NF

(Continued)

(Revised April 1981)

## HYDRAULIC TANK AND VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	70663977	2	GASKET
3	70666421	1	ELEMENT
4	73045861	1	VALVE ASSY. (Serviced only as a unit)
5	70926821	3	RING
6	73053604	1	CUP
7	73045324	1	COVER
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
8	73046080	1	CAP ASSY. (Serviced only as a unit)(Used prior to unit no. 04941)
	70665726	1	CAP (Effective with unit no. 04941)(Not for Loaders series 33A effective 33A07947 and up)
	73077525	1	CAP (Loaders series 33A only effective serial No. 33A07947 and up)
	70923950	1	O-RING
	70926274	1	RING, snap
9	73044225	1	VALVE ASSY. (Includes O-RINGS indented below and item 10 and 11)
	70923719	1	O-RING
	70923559	1	O-RING
10	-----	2	RING (Not serviced separately. Order item 29)
11	73046508	1	FILTER
12	73057448	1	COVER (Used prior to unit no. 04941)
	73053697	1	COVER (Effective with unit no. 04941)
	70916272	4	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	4	LOCKWASHER, 3/8"
13	73044791	1	STRAINER (Units prior to unit no. 04941 order hardware indented below)
	70919235	3	CAPSCREW, 3/8" NF x 5/8"
	70910287	3	LOCKWASHER, 3/8"
	70900817	3	WASHER, plain, 3/8"
14	73054064	1	BAFFLE ASSY. (Serviced only as a unit)
15	73011349	1	MAGNET
16	73053476	1	CANISTER
	-----	1	GAUGE ASSY. (First type - see page 196 for parts)
17	70919262	2	NUT, 1/2" NF
	70923565	2	O-RING
	70678984	1	GAUGE ASSY. (Second type)(serviced only as a unit)
	70913177	2	NUT, 1/2" NF
	70906961	2	LOCKWASHER, 1/2"
18	73068921	1	PLUG ASSY. (Includes item 19)
19	73010158	1	GASKET
20	73053571	1	TUBE ASSY.
	70916272	6	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	6	LOCKWASHER, 3/8"
21	-----	1	VALVE ASSY. (2 spool)(See page 197)
	-----	1	VALVE ASSY. (3 spool)(See page 197)
	70916428	3	CAPSCREW, 1/2" NF x 5"
	70910244	3	WASHER, plain, 1/2"
	70912441	3	LOCKWASHER, 1/2"
	70923079	3	PLUG, 1-1/4" tube, 1-5/8" str. thd. (Each includes O-RING indented below)
	70921235	3	O-RING
22	73044288	1	TUBE ASSY. (Includes items 22a, 25, 26, 27 and 28)
22a	-----	1	NUT (Not serviced, order item 22)

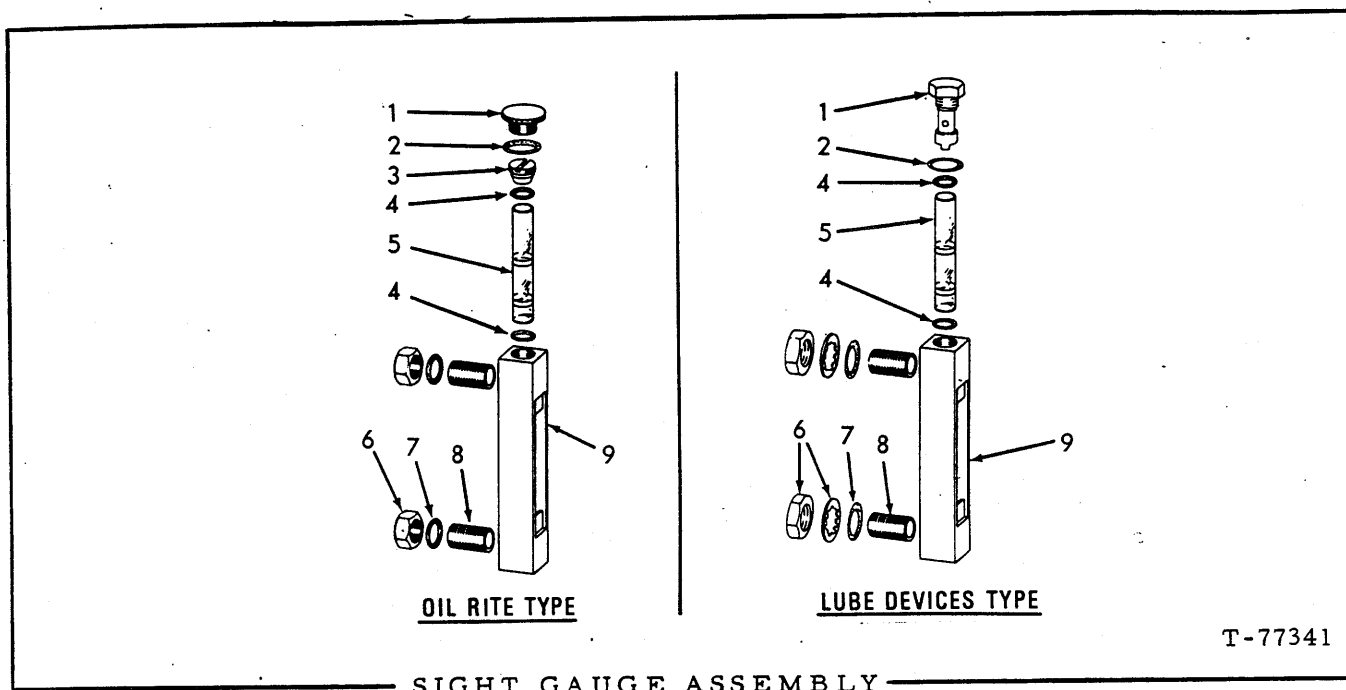
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(Revised April 1981)

# HYDRAULIC TANK AND VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
23	73045016	1	HOSE, 1-1/4" I.D. x 4-3/4"
	70921912	4	CLAMP, 1-1/16" to 2"
24	-----	1	GAUGE, glass (See page 196)
	70924003	1	O-RING
	70926835	2	O-RING
25	70929398	1	WIRE
26	70929397	1	WASHER
27	70923813	1	O-RING, 1-23/64" I.D.
28	70921235	1	O-RING, 1-31/64" I.D.
29	73064043	1	KIT, valve, pressure relief (Includes item 9 O-RINGS, item 10 and 11)
30	73077526	1	CABLE
	70921422	1	CAPSCREW, 5/16"NC x 1-1/8"
	70929662	4	WASHER
	70914321	1	NUT, jam, 5/16"NC
	70916871	1	NUT, elastic stop, 5/16"NC

Loaders series  
33A only  
effective  
S/N 33A 07947  
and up

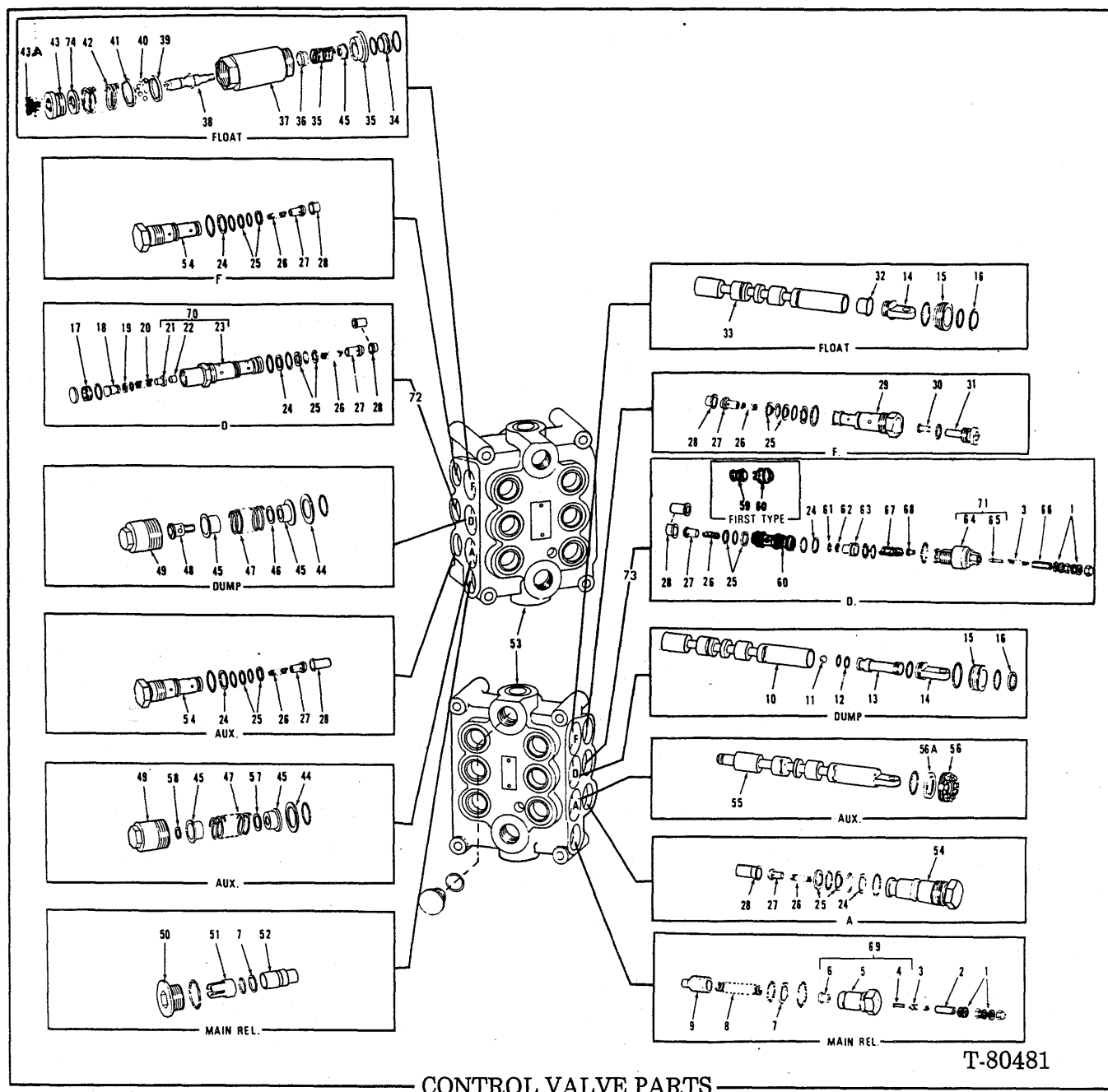


NOTE: See page 193.

ITEM	PART NO.	PART NO.	QTY.	DESCRIPTION
	<u>Oil Rite</u>	<u>Lube Devices</u>		
-	-----	-----	1	GAUGE ASSY. (Order second type gauge - page 194)
1	-----	-----	1	CAP (Order complete assy.)
2	70924003	70923560	2	O-RING, cap (Quantity 1 used with Oil Rite Type)
3	-----	-----	1	CAP (Order complete assy.)
4	70926835	73061913	2	O-RING
5	73054571	73061912	1	GAUGE
6	70919262	70919262	2	NUT
	-----	70909589	2	LOCKWASHER
7	70923565	70923645	2	O-RING
8	-----	-----	2	STUD (Order complete assy.)
9	-----	-----	1	BODY (Order complete assy.)

NOTE: A third gauge having black plastic end caps has been discontinued as an assembly.  
Order the following service items:

2 70915746 LOCKNUT  
2 70923565 O-RING  
2 70923560 O-RING  
2 70930946 O-RING



USAGE: See page 193.

\* 2 plunger type (Std.)

\*\* 3 plunger type (Special equipment)(Standard on some Loader series 33A)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
-	73058205	1	-	VALVE ASSY.(Includes items 1 thru 54,59 thru 68, and 72,73)
-	73058206	-	1	VALVE ASSY.(Includes items 1 thru 68 and 72, 73)
1	-----	4	4	SEAL(washer type)(For service, supply WASHER and O-RING)
-	73069409	4	4	WASHER
-	70923559	4	4	O-RING
2	70929252	1	1	SETSCREW
-	70924236	1	1	NUT, acorn
-	70910980	1	1	NUT, 5/16" NF

(Continued)

(Revised January 1981)



# CONTROL VALVE PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
3	73046117	2	2	SPRING
4	-----	1	1	PLUNGER (Order item 69)
5	-----	1	1	CAP (Order item 69)
	70921886	1	1	O-RING
6	-----	1	1	SEAT (Order item 69)
7	70928585	2	2	RING, back-up
	70923849	2	2	O-RING
8	73046113	1	1	SPRING
9	73046118	1	1	POPPET ASSY. (Includes plunger and screen)
10	-----	1	1	SPOOL, dump (Order VALVE ASSY.) (See pages 180 and 183 for Special Automatic Bucket Leveler detent)
11	73046100	1	1	BALL
12	70928581	1	1	RING, back-up
	70923846	1	1	O-RING
13	73046164	1	1	SEAT
14	73046103	2	2	EYE
	70921349	2	2	O-RING
15	73046101	2	2	RETAINER
	70923567	2	2	O-RING, 63/64" I.D.
	70924791	2	2	O-RING, 1-27/64" I.D. (dump and lift spool)
16	73046102	2	2	SEAL, wiper
17	73052679	1	2	NUT
18	73052680	1	2	GUIDE
	70923548	1	2	O-RING
19	73046158	1	2	RING, back-up
	70924235	1	2	O-RING
20	73046159	1	1	SPRING
21	-----	2	2	POPPET (Order item 70)
22	-----	2	2	SEAT (Order item 70)
23	-----	2	2	CAP (Order item 70)
	70923849	1	1	O-RING
	70910003	1	1	PLUG, expansion
24	70927563	4	6	RING, back-up (rubber)
	70923379	4	6	O-RING
25	70928584	8	12	RING, back-up
	70923645	4	6	O-RING
26	73046123	4	6	SPRING
27	73046151	4	6	POPPET
28	{ 73046150	4	2	SEAT (.437" long)
	73048767	-	4	SEAT (.975" long)
29	73046126	1	1	CAP
	70923849	1	1	O-RING
30	73046125	1	1	POPPET
31	73046127	1	1	SEAT
	70921349	1	1	O-RING
32	73046111	1	1	SLEEVE
33	-----	1	1	SPOOL (Order complete VALVE ASSY.)
34	73046535	1	1	RETAINER
	70924791	1	1	O-RING
35	73046106	1	1	RETAINER
	70923567	1	1	O-RING
35a	73059125	1	1	SPRING

(Continued)

# CONTROL VALVE PARTS (Continued)

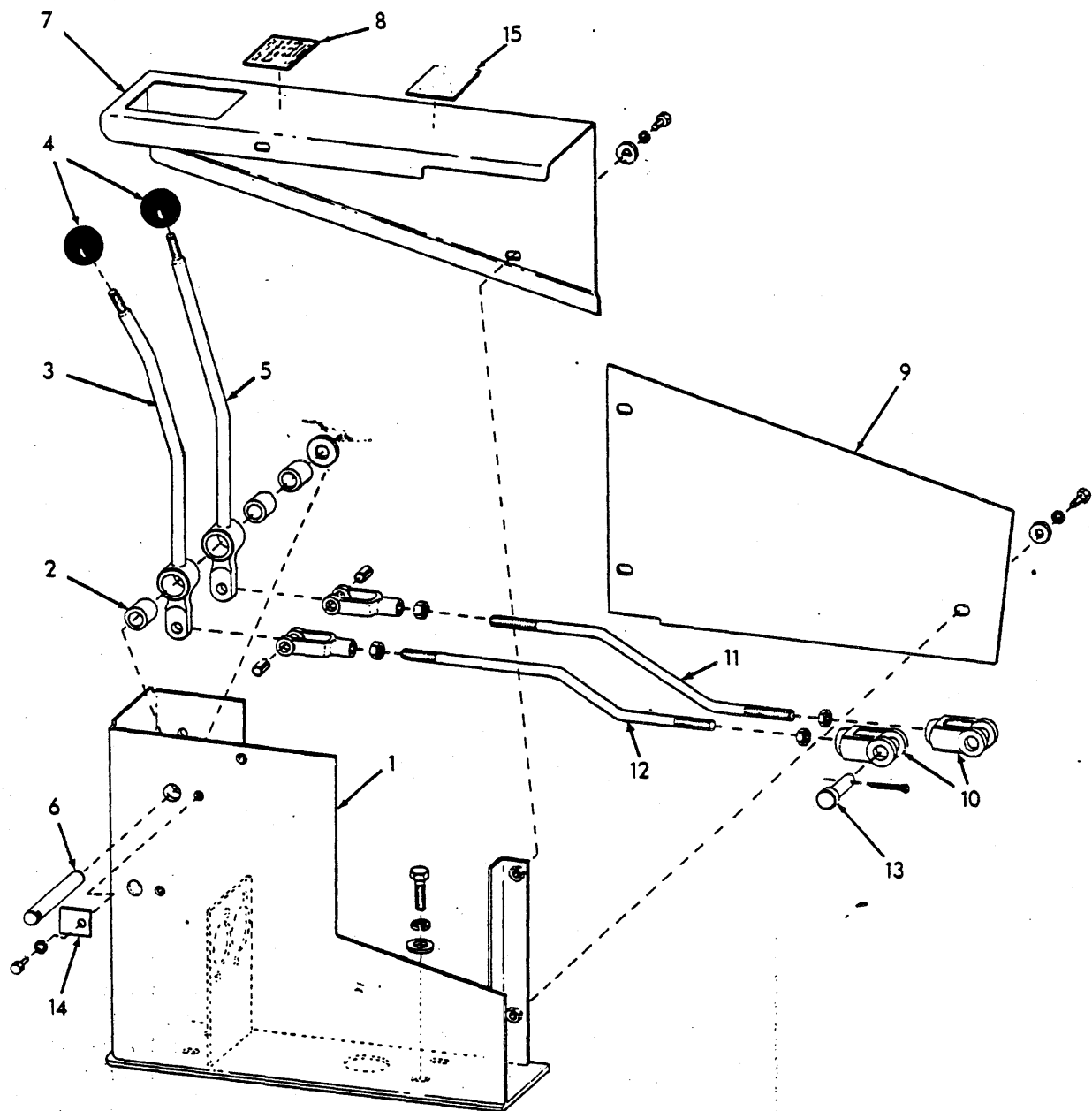
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
36	73052800	1	1	RETAINER
37	73059127	1	1	CAP
38	73068883	1	1	STUD
39	73063558	1	1	WASHER
40	73051813	8	8	BALL
41	73051812	1	1	CAM
42	73058495	1	1	SPRING
43	73072738	1	1	PLUG (for initial replacement also order item 74); also (Requires item 43A)
43A	73072735	1	1	PLUG, bleeder
44	73046097	1	2	RETAINER
	70923567	2	3	O-RING
45	73046094	3	5	SPACER
46	73050693	1	1	WASHER
47	73059122	1	2	SPRING
48	73050697	1	1	RETAINER
49	73046092	1	2	CAP
50	70928603	1	1	PLUG ASSY. (Includes 1 O-RING 70921886)
51	73055402	1	1	RETAINER
52	73055401	1	1	SEAT
53	-----	1	1	BODY (Order complete VALVE ASSY.)
	70923166	1	1	PLUG ASSY., 1/4" (Includes 1 O-RING 70921883)
	70924622	-	1	PLUG ASSY., 5/8" tube (Includes 1 O-RING 70921205)
54	73046954	1	2	CAP
	70923849	1	2	O-RING
55	-----	-	1	SPOOL (Order complete VALVE ASSY.)
56	73061628	-	1	WIPER
56a	73046097	-	1	RETAINER
	70923567	-	1	O-RING
57	73046096	-	1	WASHER
58	73046093	-	1	RING
59	73054780	1	1	SLEEVE } First type
60	73054779	1	1	SPACER }
	73073912	1	1	SLEEVE, check (Second type)
61	-----	1	1	RING, snap } Order item 63
62	-----	1	1	SCREEN }
63	73061764	1	1	POPPET ASSY. (Includes items 61, 62 and items indented below)
	70926909	1	1	O-RING
	70926355	1	1	RING, back-up
64	-----	1	1	CAP (Order item 71)
	70924416	1	1	O-RING
65	-----	1	1	PLUNGER (Order item 71)
66	73054377	1	1	SCREW
	70924236	1	1	NUT, acorn
	70910980	1	1	NUT, 5/16" NF
67	73054775	1	1	SPRING
68	-----	1	1	SEAT (Order item 71)
69	73054765	1	1	KIT ASSY., cap (Consists of items 4, 5 and 6)
70	73054769	1	1	KIT ASSY., cap (Consists of items 21, 22 and 23)
71	73054766	1	1	KIT ASSY., cap (Consists of items 64, 65 and 68)
72	73052677	-	1	VALVE ASSY., load check and overload relief (Long seat) (Includes items 17 thru 28)
	73052670	1	-	VALVE ASSY., load check and overload relief (Short seat) (Includes items 17 thru 28)

(Continued)

# CONTROL VALVE PARTS (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
73	73054774	- 1	VALVE ASSY., load check and overload relief (Long seat) (Includes items 1,3, 24 thru 28, and 59 thru 68)
	73054473	1 -	VALVE ASSY., load check and overload relief (Short seat) (Includes items 1,3, 24 thru 28 and 59 thru 68)
74	73069093	1 1	WASHER





T-75697

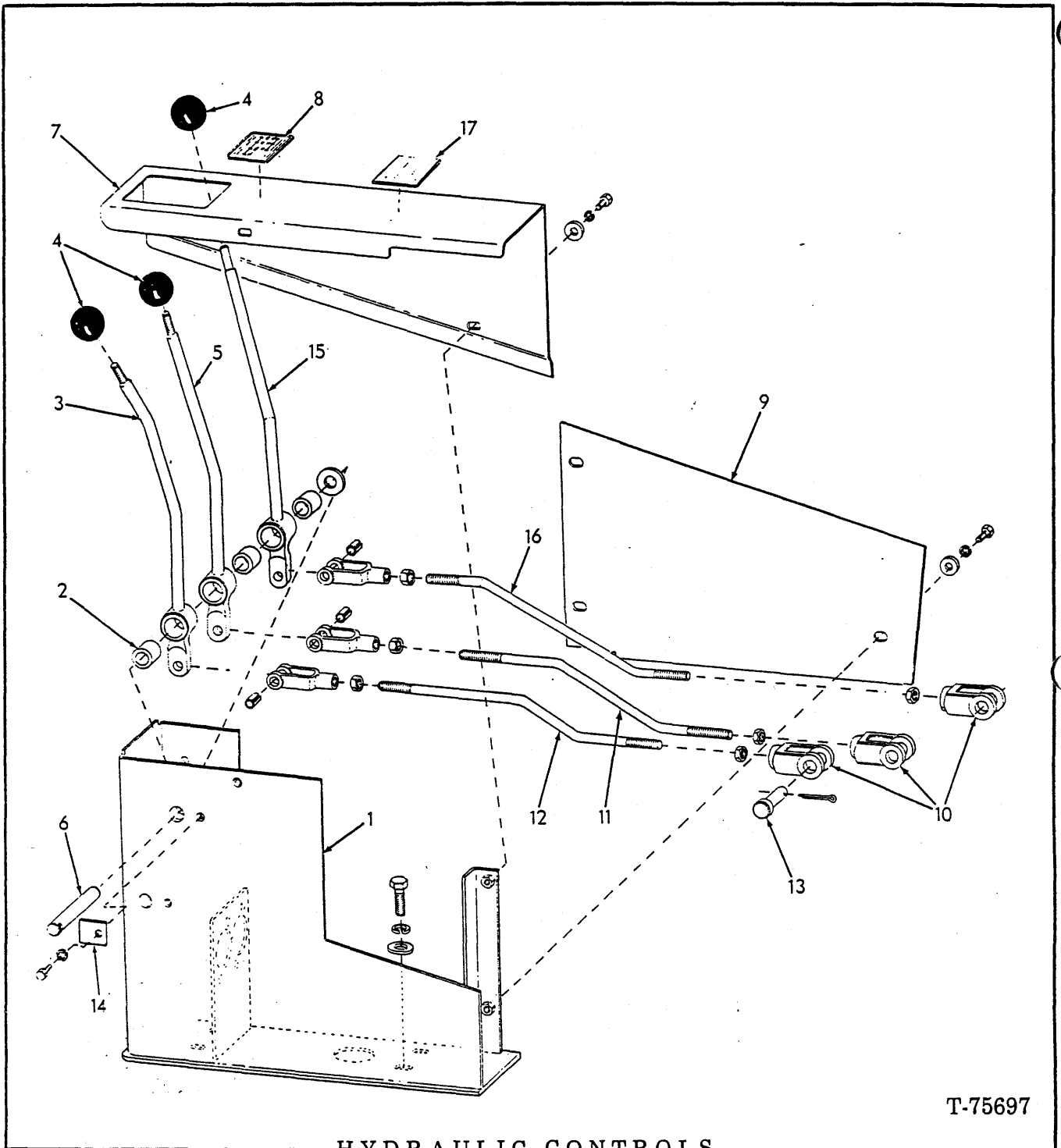
# HYDRAULIC CONTROLS (2-Spool Valve)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057860	1	SUPPORT
	70916311	4	CAPSCREW, 1/2" NC x 1-1/4"
	70900818	4	WASHER, plain, 1/2"
	70912441	4	LOCKWASHER, 1/2"

(Continued)

HYDRAULIC CONTROLS (Continued)  
(2-Spool Valve)

ITEM	PART NO.	QTY.	DESCRIPTION
2	73007065	3	BUSHING
	70910255	1	WASHER, plain, 3/4"
	70915874	1	WASHER, shim (.020" thick)
3	73057207	1	LEVER ASSY. (Includes 1 BUSHING item 2 and items indented below)
	70917666	1	YOKE, 1/2" NF
	70922419	1	PIN, roll, 1/2" x 1-1/8"
4	73001171	2	KNOB
5	73057208	1	LEVER ASSY. (Includes 1 item 2 BUSHING and items indented below)
	70917666	1	YOKE
	70922419	1	PIN, roll, 1/2" x 1-1/8"
6	73057869	1	SHAFT
7	73071158	1	COVER
	70915406	3	CAPSCREW, 1/4" NC x 3/4"
	70911114	3	WASHER, plain, 1/4"
	70904204	3	LOCKWASHER, 1/4"
8	73067620	1	DECAL
9	73057866	1	COVER
	70915406	3	CAPSCREW, 1/4" NC x 3/4"
	70911114	3	WASHER, plain, 1/4"
	70904204	3	LOCKWASHER, 1/4"
10	70917666	2	YOKE, 1/2" NF
11	73057201	1	ROD
	70913177	2	NUT, jam, 1/2" NF
12	73057203	2	ROD
	70913177	2	NUT, jam, 1/2"
13	73001565	2	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
14	73057868	1	TAB
	70915406	1	CAPSCREW, 1/4" NC x 3/4"
	70904204	1	LOCKWASHER, 1/2"
15	73024429	1	DECAL, engine start-stop (used on Loader series 21C, 10L prior to unit no. 06117)
	73065887	1	DECAL, engine instruction (used on Loader series 21C, 10L effective with unit no. 06117 thru 06869; also used on Loader series 21S prior to unit no. 05425)
	73070500	1	DECAL, engine instruction (used on Loader series 21C effective with unit no. 06870, and Loader series 21S effective with unit no. 05425; also used on all Loader series 33A)



### HYDRAULIC CONTROLS (3-spool valve)

USAGE: Special Equipment (Standard on some Loader series 33A)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057860	1	SUPPORT
	70916311	4	CAPSCREW, 1/2" NC x 1-1/4"
	70900818	4	WASHER, plain, 1/2"
	70912441	4	LOCKWASHER, 1/2"

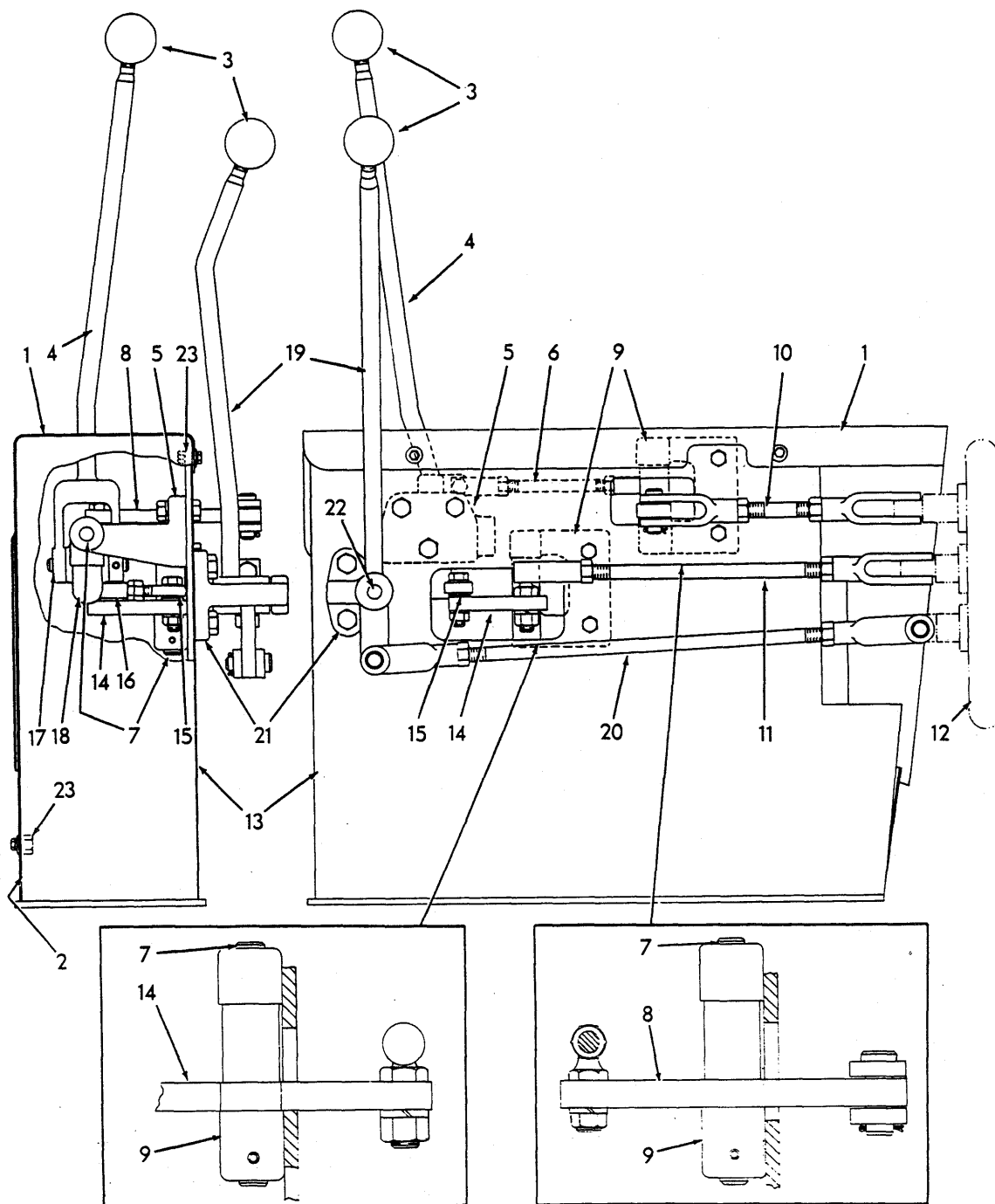
(Continued)

# HYDRAULIC CONTROLS (Continued) (3-spool valve)

ITEM	PART NO.	QTY.	DESCRIPTION
2	73007065	3	BUSHING
	70910255	1	WASHER, plain, 3/4"
	70915874	1	WASHER, shim (.020" thick)
3	73057207	1	LEVER ASSY., (Includes 1 item 2 BUSHING and items indented below)
	70917666	1	YOKE, 1/2" NF
	70922419	1	PIN, roll, 1/2" x 1-1/8"
4	73001171	3	KNOB, lever, control
5	73057208	1	LEVER ASSY. (Includes 1 item 2 BUSHING and items indented below)
	70917666	1	YOKE, 1/2" NF
	70922419	1	PIN, roll, 1/2" x 1-1/8"
6	73057869	1	SHAFT
7	73071158	1	COVER
	70915406	3	CAPSCREW, 1/4" NC x 3/4"
	70911114	3	WASHER, plain, 1/4"
	70904204	3	LOCKWASHER, 1/4"
8	73067620	1	DECAL
9	73057866	1	COVER (Not used on Loaders series 33A unit Nos. 07947 thru 08049)
	70915406	3	CAPSCREW, 1/4" NC x 3/4"
	70911114	3	WASHER, plain, 1/4"
	70904204	3	LOCKWASHER, 1/4"
10	70917666	3	YOKE, 1/2" NF
11	73057201	1	ROD
	70913177	2	NUT, jam, 1/2" NF
12	73057203	2	ROD
	70913177	3	NUT, jam, 1/2" NF
13	73001565	3	PIN
	70900806	3	PIN, cotter, 1/8" x 1"
14	73057868	1	TAB
	70915406	1	CAPSCREW, 1/4" NC x 3/4"
	70904204	1	LOCKWASHER, 1/2"
15	73057209	1	LEVER ASSY.
	70917666	1	YOKE, adjustable, 1/2" NF
	70922419	1	PIN, roll, 1/2" x 1-1/8"
16	73057202	1	ROD
	70913177	2	NUT, jam, 1/2" NF
17	73024429	1	DECAL, engine start stop (used on Loader series 21C, 10L prior to unit no. 06117)
	73065887	1	DECAL, engine instructions (used on Loader series 21C, 10L effective with unit no. 06117, also used on all Loader series 21S, 33A)

(Revised April 1981)





T-76687

# HYDRAULIC CONTROLS (Single Lever)

USAGE: Special Equipment  
 \* 2 Spool VALVE ASSY.  
 \*\* 3 Spool VALVE ASSY.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	73071159	1	1	COVER
	70915406	4	4	CAPSCREW, 1/4" NC x 3/4"
	70904204	4	4	LOCKWASHER, 1/4"
	70911114	4	4	WASHER, plain, 1/4"

(Continued)

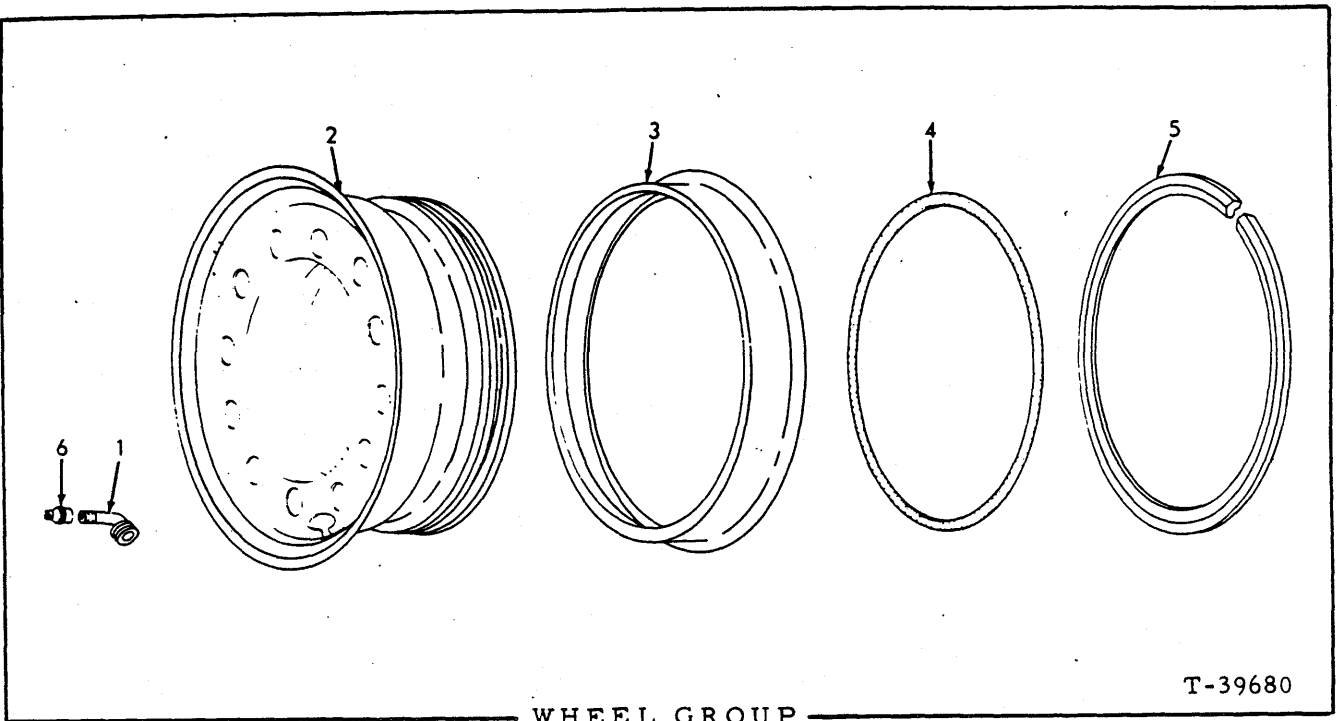
HYDRAULIC CONTROLS (Continued)  
(Single Lever)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
2	73058567	1	1	COVER
	70916284	3	3	CAPSCREW, 1/4" NC x 1/2"
	70904204	3	3	LOCKWASHER, 1/4"
	70911114	3	3	WASHER, plain, 1/4"
3	73001171	1	2	KNOB
4	73057085	1	1	LEVER
5	70661454	1	1	BRACKET
	70914847	3	3	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	3	3	LOCKWASHER, 3/8"
	70910324	3	3	NUT, 3/8" NC
6	73057081	1	1	ROD
	70653570	2	2	STUD ASSY.
	70910287	2	2	LOCKWASHER, 3/8"
	70910329	4	4	NUT, 3/8"
7	70661455	3	3	SHAFT
	70915797	3	3	PIN, roll, 3/16" x 1-1/4"
8	73058553	1	1	LEVER
	70917648	1	1	PIN, 1/2" x 1/2" long
	70900806	1	1	PIN, cotter, 1/8" x 1"
9	73058439	2	2	BRACKET
	70916272	4	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	4	LOCKWASHER, 3/8"
	70910324	4	4	NUT, 3/8" NC
10	73057078	1	1	ROD
	70917666	2	2	YOKE, 1/2" NF
	70910195	2	2	NUT, 1/2" NF
11	73057079	1	1	ROD
	70917666	1	1	YOKE, 1/2" NF
	70910195	3	3	NUT, 1/2" NF
	70925042	1	1	JOINT
	70912441	1	1	LOCKWASHER, 1/2"
12	-----	1	1	VALVE ASSY. (See page 197)
13	73058211	1	1	CONSOLE
14	73058551	1	1	LEVER
15	70639916	1	1	BEARING
	70914847	1	1	CAPSCREW, 3/8" NC x 1-1/2"
	70910287	1	1	LOCKWASHER, 3/8"
	70911115	1	1	WASHER, plain, 3/8"
	70910324	1	1	NUT, 3/8" NC
	70910329	1	1	NUT, 3/8" NF
	70617932	1	1	BEARING
16	70916272	1	1	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	1	1	LOCKWASHER, 3/8"
17	70661456	1	1	SHAFT
	70915797	1	1	PIN, roll, 3/16" x 1-1/4"
18	73057108	1	1	LEVER
19	73057106	-	1	LEVER
	70917648	-	2	PIN, 1/2" SAE std. x 1-3/8"
	70900806	-	2	PIN, cotter, 1/8" x 1"

(Continued)

HYDRAULIC CONTROLS (Continued)  
(Single Lever)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
20	73057080	-	1	ROD
	70917666	-	2	YOKE, 1/2" NF
	70910195	-	2	NUT, 1/2" NF
21	70655718	-	1	BRACKET
	70915987	-	2	CAPSCREW, 1/2" NC x 1-1/2"
	70912441	-	2	LOCKWASHER, 1/2"
	70910325	-	2	NUT, 1/2" NC
22	70655712	-	1	SHAFT
	70915797	-	1	PIN, roll, 3/16" x 1-1/4"
23	73054504	7	7	NUTSERT
24	73067622	1	1	INSTRUCTION STICKER (Not shown)



ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: Quantities indicated are for one (1) wheel only.			
1	73027334	1	VALVE ASSY. (Serviced only as a unit)(Used with 13.00 and 14.00 x 24 tire)
	73052021	1	VALVE ASSY. (Serviced only as a unit)(Used with 15.5 and 17.5 x 25 tire)
2	73027240	1	WHEEL (Accommodates 13.00 and 14.00 x 24 tire)
	73038760	1	WHEEL (Accommodates 15.5 x 25 tire)
	73038762	1	WHEEL (Accommodates 17.5 x 25 tire)
3	73027275	1	RING, side (Used with 13.00 and 14.00 x 24 tire)
	73038763	1	RING, side (Used with 15.5 x 25 tire)
	73038767	1	RING, side (Used with 17.5 x 25 tire)
4	73024120	1	O-RING (Used with 13.00 and 14.00 x 24 tire)
	73038765	1	O-RING (Used with 15.5 and 17.5 x 25 tire)
5	73027276	1	RING, lock (Used with 13.00 and 14.00 x 24 tire)
	73038764	1	RING, lock (Used with 15.5 x 25 tire)
	73038768	1	RING, lock (Used with 17.5 x 25 tire)
-	73027459	1	EXTENSION, valve (Special equipment)
-	73021529	1	FLAP, tube (Special equipment)
-	73051730	1	ADAPTER, valve stem reducer
6	73069471	1	CAP, valve (used with 15.5 and 17.5 tire only)

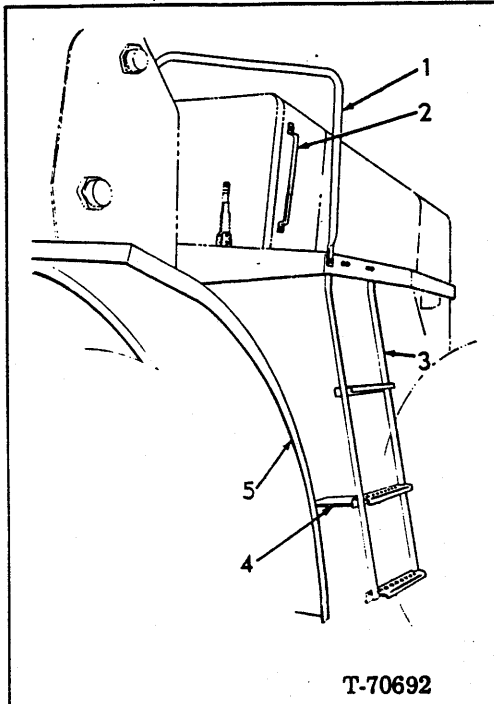
TIRES (Not illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
------	----------	------	-------------

NOTE: Obtain from local tire dealer

1	-----	1	TIRE, tubeless, 13.00 x 24 (8 ply)
2	-----	1	TIRE, tubeless, 13.00 x 24 (10 ply)
3	-----	1	TIRE, tubeless, 14.00 x 24 (8 ply)
4	-----	1	TIRE, tubeless, 14.00 x 24 (12 ply)
5	-----	1	TIRE, tubeless, 15.5 x 25 (8 ply)
6	-----	1	TIRE, tubeless, 17.5 x 25 (8 ply)
6a	-----	1	TIRE, tubeless, 17.5 x 25 (16 ply)(For Loader series 33A only prior to unit #07947)
6b	-----	1	TIRE, tubeless, 17.5 x 25 (12 ply)(Loader series 33A only effective unit #07947 and up)
7	-----	1	TUBE, 14.00 x 24

# LADDER, HAND RAIL AND FENDERS

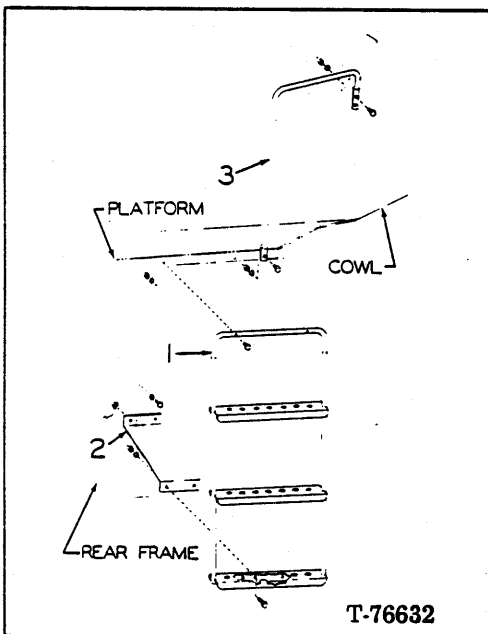


T-70692

ITEM	PART NO.	QTY.	DESCRIPTION
1	73055692	1	PIPE
	70916271	3	CAPSCREW, 3/8" NC x 1"
	70910287	3	LOCKWASHER, 3/8"
	70910324	3	NUT, 3/8" NC
	73052024	1	HANDLE
	70916271	2	CAPSCREW, 3/8" NC x 1"
2	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
3	73047952	1	LADDER (used prior to Loader serial no. 10L, 21C04962)
	73061609	1	LADDER (effective with Loader serial no. 10L, 21C04962; also used on all Loader series 21S, 33A)(Also requires 2 CAPSCREW 70910948)
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70916273	2	CAPSCREW, 3/8" NC x 2"
	70910287	6	LOCKWASHER, 3/8"
	70910324	6	NUT, 3/8" NC
4	73045234	1	BRACKET (used prior to Loader serial no. 10L, 21C04962)
	73061897	1	BRACKET (effective with Loader serial no. 10L, 21C04962; also used on all Loader series 21S, 33A)
	70915408	2	CAPSCREW, 3/8" NC x 3/4"
	70910287	2	LOCKWASHER, 3/8"
	73050337	1	FENDER, front, left
	73050338	1	FENDER, front, right
5	70920585	12	CAPSCREW, 1/2" NC x 1-3/4"
	70912441	12	LOCKWASHER, 1/2"
6	73066552	2	DECAL (on fender - not illustrated)

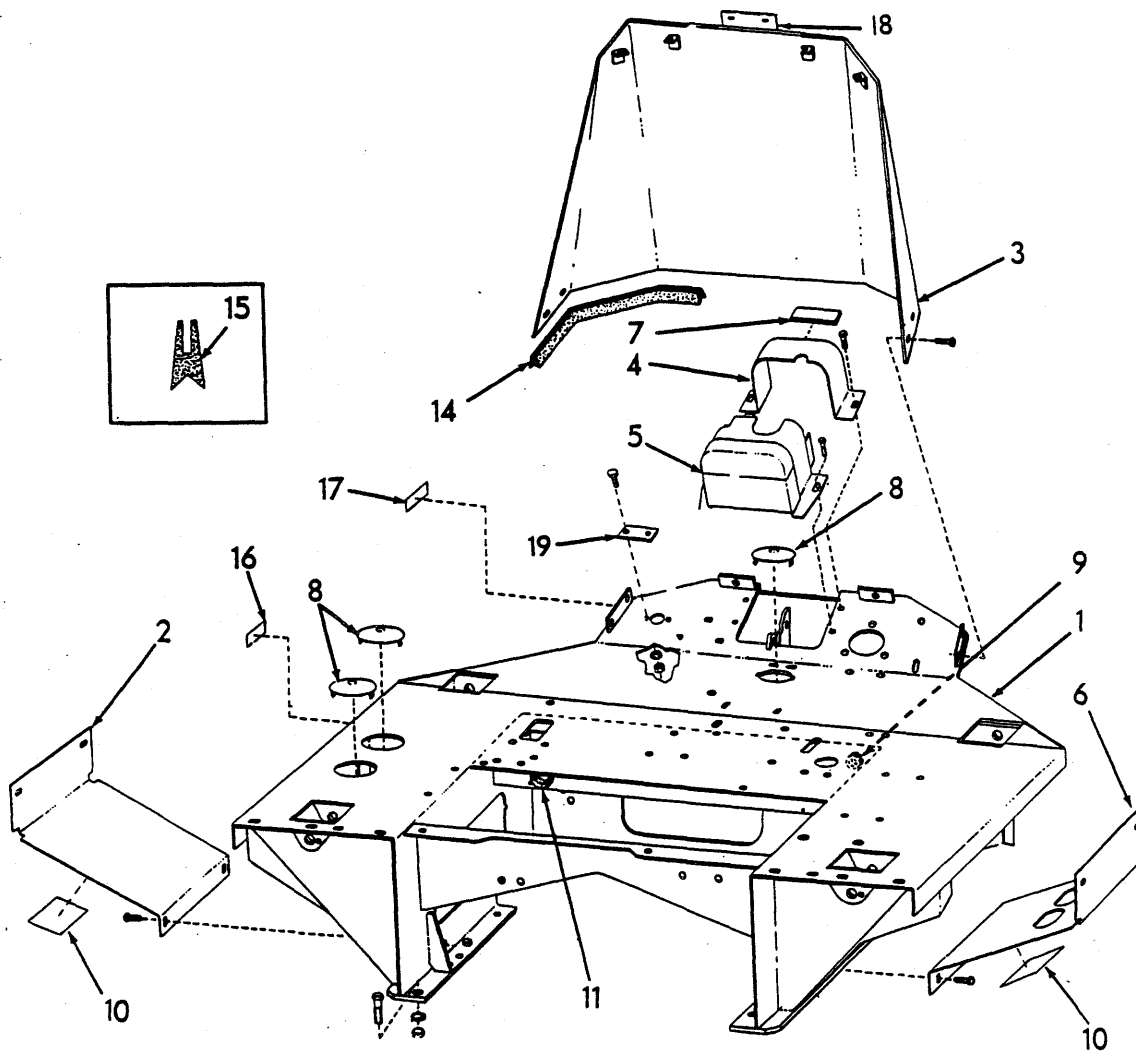
## LADDER - RIGHT SIDE

USAGE: Special Equipment  
 \* Without Cab  
 \*\* With Cab



T-76632

ITEM	PART NO.	QTY.	DESCRIPTION
1	73061609	1	LADDER. 13" width (Not for Loaders series 33A effective unit #07947 and up)
	73077541	-	LADDER, 13" width (Loaders series 33A only effective unit #07947 and up)
	70916285	2	CAPSCREW, 3/8" NF x 2"
	73047952	1	LADDER, 17" width
	70915480	2	CAPSCREW, 3/8" NF x 1-3/4"
	70916225	2	CAPSCREW, 3/8" NF x 1"
2	70910287	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8" NF
	73061897	1	BRACKET (used with 73061609)
	73045234	1	BRACKET (used with 73047952)
3	70915408	2	CAPSCREW, 3/8" NC x 3/4"
	70910287	2	LOCKWASHER, 3/8"
	70646631	2	NUT, weld, 3/8" NC
	73055560	1	RAIL
	70916225	3	CAPSCREW, 3/8" NF x 1"
	70910287	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8" NF



COWL AND PLATFORM

T-76675

USAGE: \* Used prior to loader serial no. 10L, 21C04450  
 \*\* Effective with loader serial no. 10L, 21C04450;  
 also used on all Loader series 21C; 33A

ITEM	PART NO.	QTY. * **	DESCRIPTION
1	73057487	1 -	PLATFORM
	70915790	2 -	CAPSCREW, 5/8" NF x 3"
	70921177	4 -	CAPSCREW, 5/8" NF x 2-1/4"
	70900703	6 -	WASHER, plain, 5/8"
	70916589	6 -	LOCKNUT, 5/8" NF
	73059504	- 1	PLATFORM
	70927532	- 2	CAPSCREW, 5/8" NF x 3"
	70921178	- 2	CAPSCREW, 5/8" NF x 2-3/4"
	70927328	- 6	WASHER, plain, 5/8"
	70926712	- 4	LOCKNUT, 5/8" NF
	70923901	- 4	CAPSCREW, 3/4" NC x 2-3/4"
	70928914	- 8	WASHER, plain, 3/4"
	70916170	- 4	LOCKNUT, 3/4" NC

(Continued)

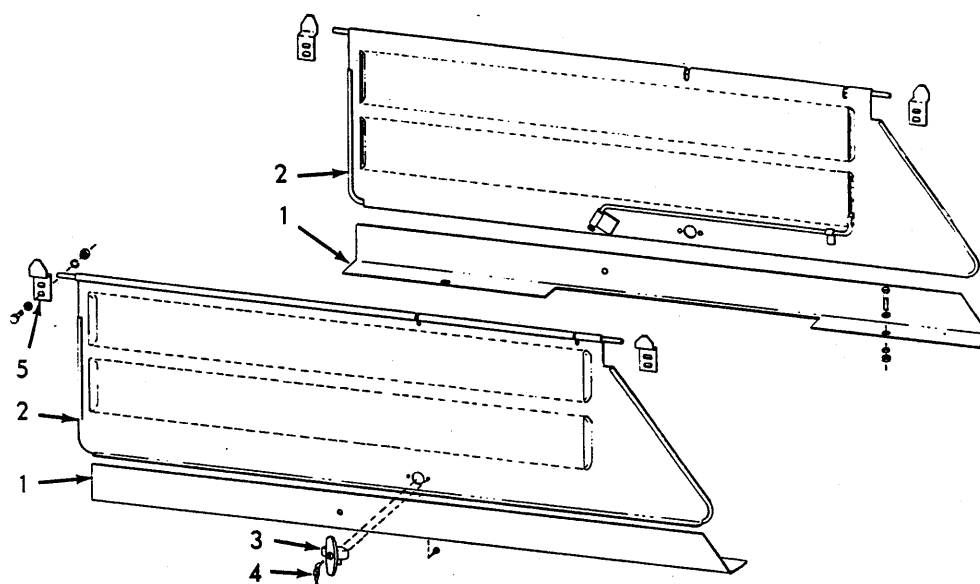
(Revised January 1982)

## C O W L   A N D   P L A T F O R M (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
2	{ 73057493	1	-	COVER } also see item 20 page 271
	{ 73059549	-	1	COVER }
	70923683	4	4	CAPSCREW, 3/8" NC x 3/4"
3	73058162	1	1	COWL
	70923683	2	2	CAPSCREW, 3/8" NC x 3/4"
4	73058155	1	1	COVER
	70923683	2	2	CAPSCREW, 3/8" NC x 3/4"
5	73050403	1	1	COVER
	70923683	2	2	CAPSCREW, 3/8" NC x 3/4"
6	{ 73057495	1	-	COVER
	{ 73059550	-	1	COVER
	70923683	4	4	CAPSCREW, 3/8" NC x 3/4"
7	-----	-	-	TRIM, plastic, 4" (refer to item 12)
8	73024079	3	3	COVER
9	{ 70926766	1	1	GROMMET (for 1-3/8" hole) } pressure gauge
	{ 74255329	-	1	GROMMET (for 1-3/4" hole) } tube protector
	{ 73059232	2	2	DECAL, (left and right sides)
10	{ 73108820	-	1	DECAL, brake fluid (left side)
	{ 73108815	-	1	DECAL, check air tanks (right side)
11	-----	-	-	CHANNEL, rubber, 5" (refer to item 13)
12	73050105	-	-	TRIM (25' length - use as required)
13	73039697	-	-	CHANNEL (25' length - use as required)
14	-----	-	-	SEAL, rubber; 23" left side, 24" right side (refer to item 15)
15	73064106	-	-	SEAL (10' length - use as required)
16	73107897	-	1	DECAL, inoperative brakes
17	73067712	-	1	DECAL, patent
18	73073111	-	1	BRACKET, license plate, front
19	73073051	-	2	PLATE
	70916285	-	2	CAPSCREW, 1/4" NC x 1"
	70904204	-	2	LOCKWASHER, 1/4"
	70916622	-	2	NUT, 1/4" NC

} For Loader series  
33A only)



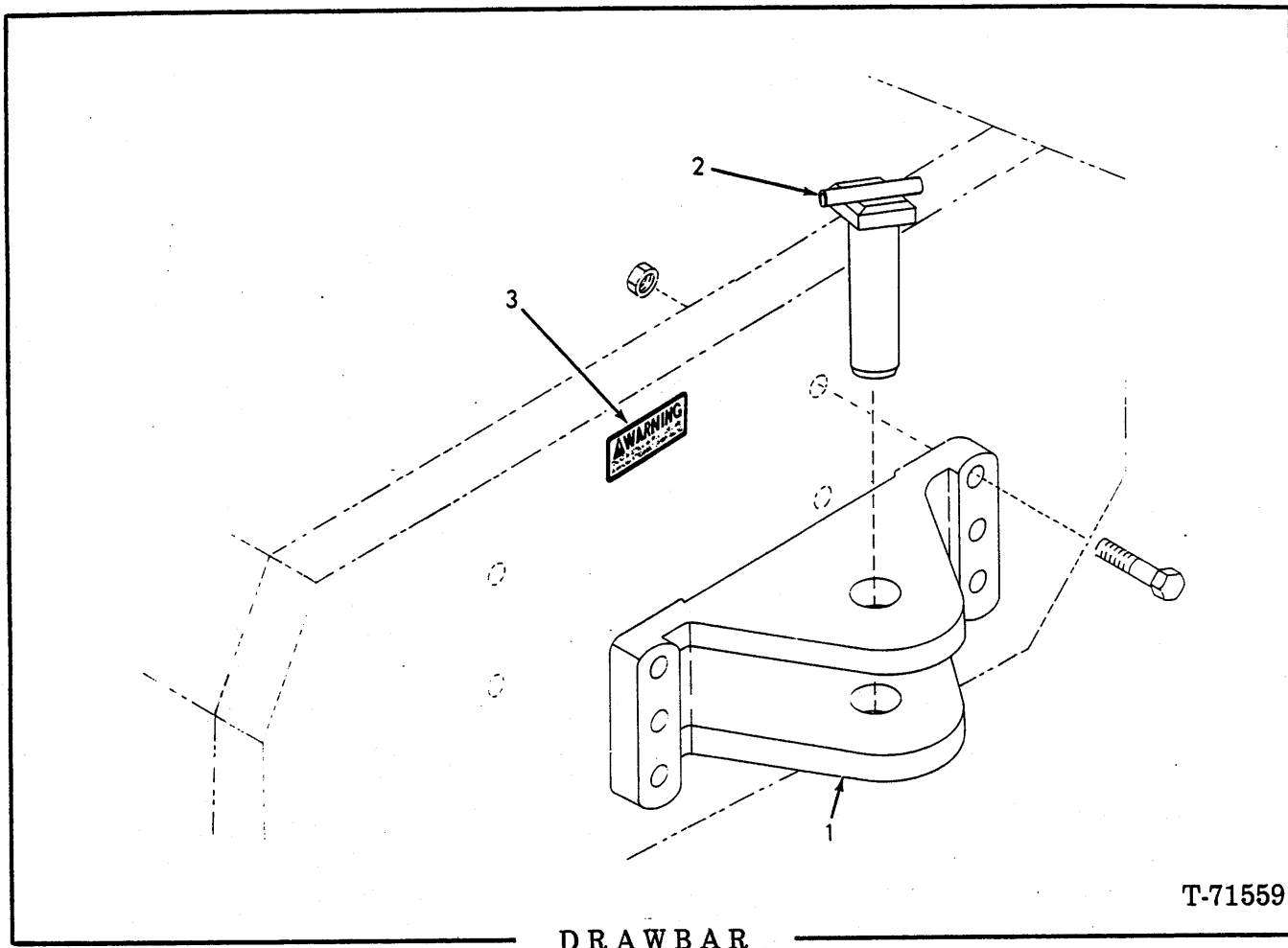


T-76637

# SIDE PANELS

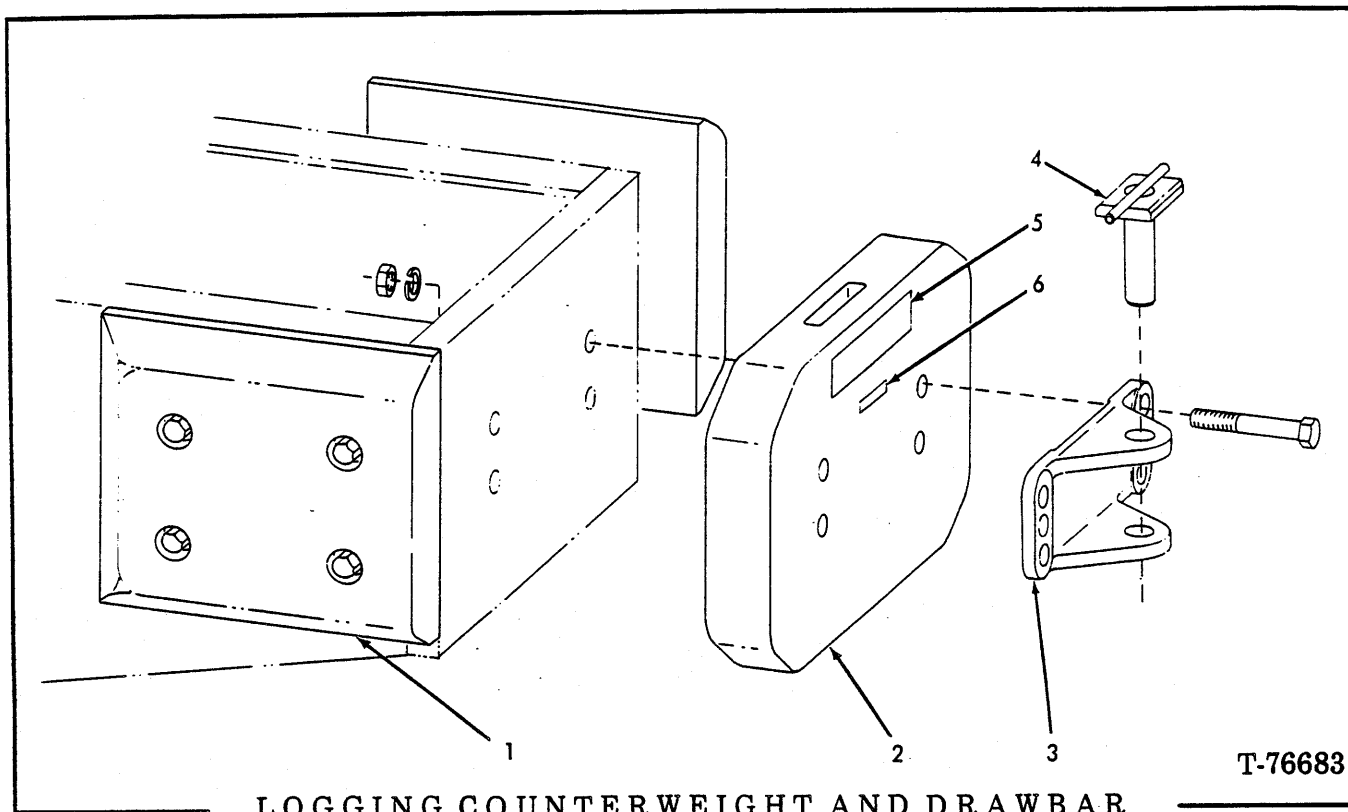
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058682	1	PLATE, left
	73058683	1	PLATE, right
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70900817	4	WASHER, plain, 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8" NC
2	73058679	1	PANEL, left
	73058680	1	PANEL, right
3	73058383	2	HANDLE, side panel (Includes item 4)(Not for Loader series 33A)
	73073129	2	HANDLE, side panel (For Loader series 33A only)
4	73058910	-	KEY (Not for Loader series 33A)
5	73057635	4	CLIP
	70916285	8	CAPSCREW, 1/4" NC x 1"
	70911114	8	WASHER, plain, 1/4"
	70904204	8	LOCKWASHER, 1/4"
	70916622	8	NUT, 1/4" NC (Not for Loader series 33A)
	70910880	8	NUT, 1/4" NC (For Loader series 33A only)



USAGE: Special equipment

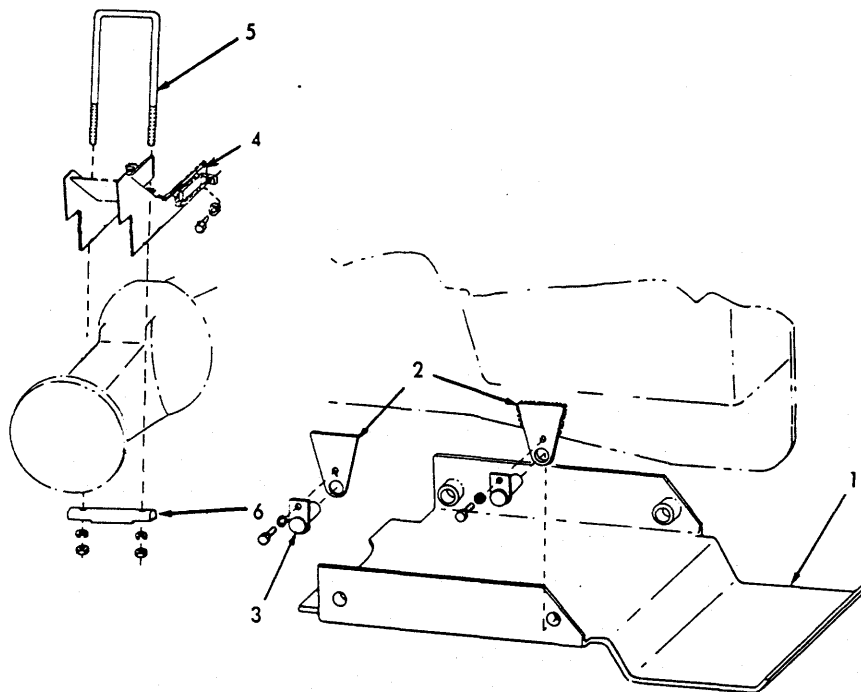
ITEM	PART NO.	QTY.	DESCRIPTION
1	73044717	1	DRAWBAR
	70916358	4	CAPSCREW, 7/8" NF x 4-1/2"
	70905347	4	LOCKWASHER, 7/8"
	70911046	4	LOCKNUT, 7/8"NF
2	70633730	1	PIN
3	73107885	1	DECAL, towing



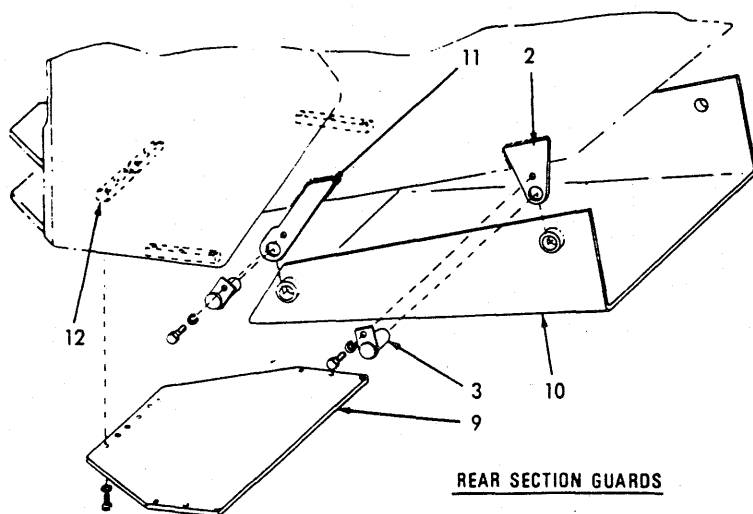
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058338	2	COUNTERWEIGHT
	70916266	8	CAPSCREW, 5/8" NC x 5"
	70900703	8	WASHER, plain, 5/8"
	70648213	8	NUT
2	73058339	1	COUNTERWEIGHT
	70929251	4	CAPSCREW, 7/8" NF x 8-1/2"
	70905347	4	LOCKWASHER, 7/8"
	70911046	4	NUT, 7/8" NF
3	73044717	1	DRAWBAR
4	70633730	1	PIN
5	70694436	1	DECAL, Fiat-Allis
6	73107885	1	DECAL, towing

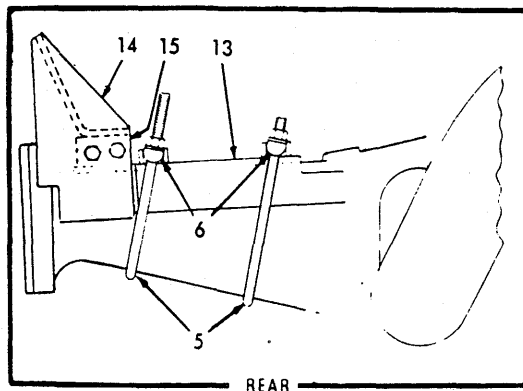
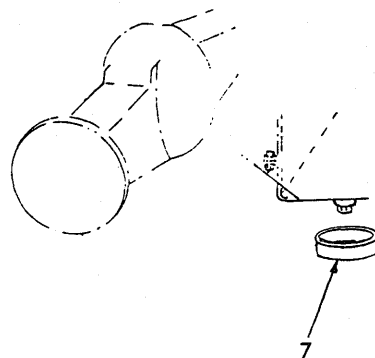




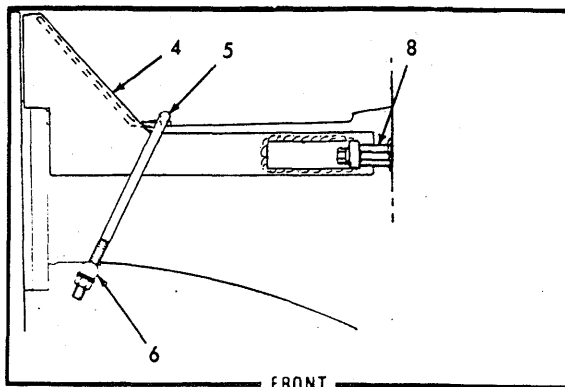
FRONT SECTION GUARDS



REAR SECTION GUARDS



REAR



FRONT

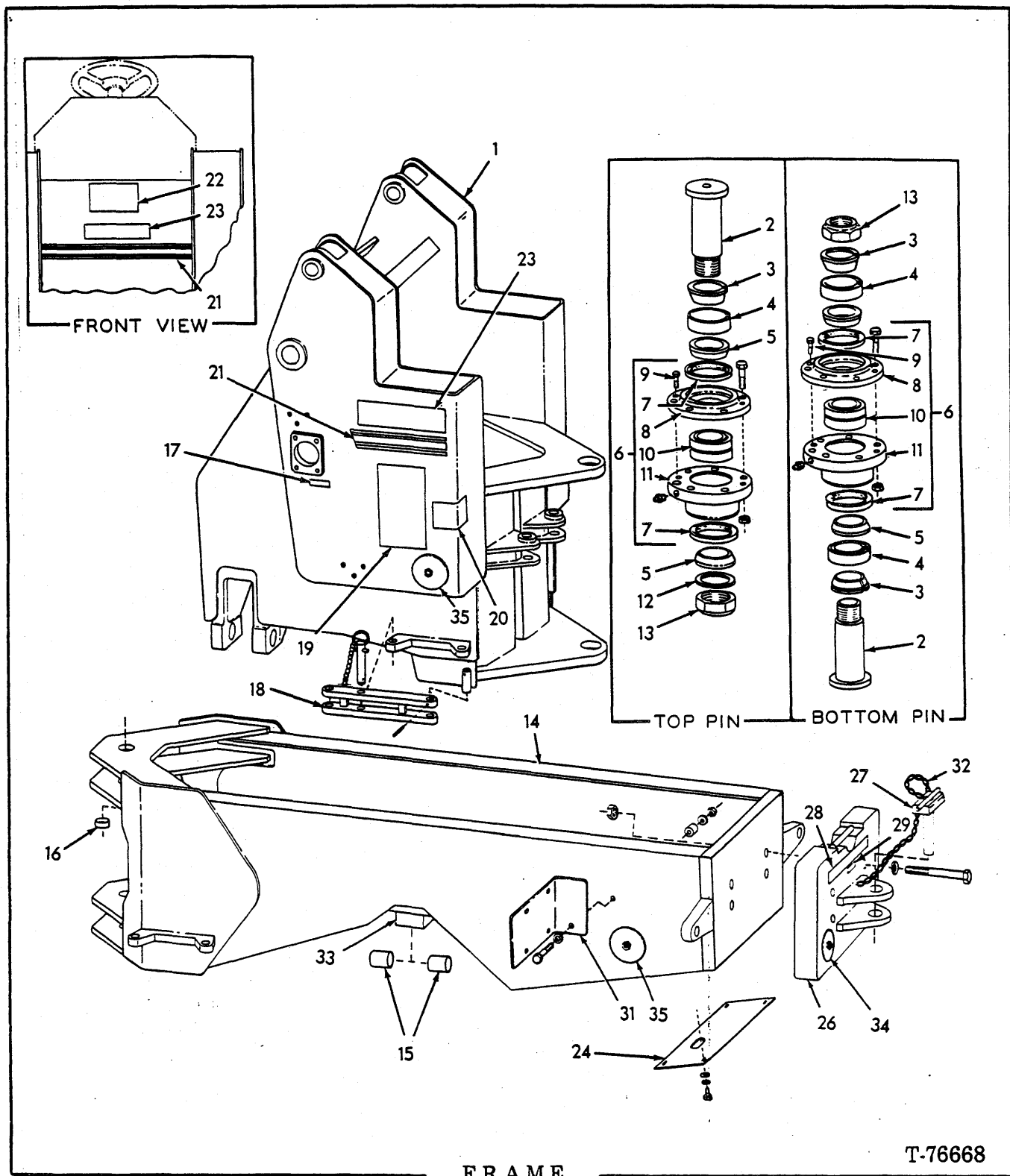
UNDERCARRIAGE GUARD

T-78729

# UNDERCARRIAGE GUARD

USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058814	1	GUARD
2	73058809	6	LUG (Requires welding to install)
3	73058807	8	PIN
	70921965	8	CAPSCREW, 3/8"NC x 3/4"
	70904206	8	LOCKWASHER
4	73061705	2	GUARD
	73070591	4	PLATE, formed (Requires welding to install)
	70921965	4	CAPSCREW, 3/8"NC x 3/4"
	70904206	4	LOCKWASHER
5	73061335	6	U-BOLT
	70904208	12	LOCKWASHER
	70910325	12	NUT
6	73061336	6	BAR
7	73059003	1	RING (Required with moisture ejector drain valve) (Requires welding to install)
8	70646728	4	WELDNUT
9	73059010	1	PLATE
	70916271	10	CAPSCREW, 3/8"NC x 1"
	70904206	10	LOCKWASHER
10	73059022	1	GUARD
11	73059007	2	LUG (Requires welding to install)
12	73059006	4	BAR (Requires welding to install)
13	73061337	2	GUARD
14	73059015	1	GUARD, left rear
	73059016	1	GUARD, right rear
	70921965	12	CAPSCREW, 3/8"NC x 3/4"
	70904206	12	LOCKWASHER
15	73059005	2	BLOCK (Requires welding to install)



ITEM	PART NO.	QTY.	DESCRIPTION
1	73056411	1	FRAME, weld assy.
2	73041936	2	PIN
3	73042898	3	COLLAR, inner

(Continued)

## FRAME(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	73042896	3	COLLAR, outer
5	73042895	4	BOSS
6	73042994	2	RETAINER ASSY. (Includes items 7 thru 11)
	70916409	12	CAPSCREW, 5/8" NF x 3-1/4"
	70921342	12	LOCKNUT, 5/8" NF
7	73042938	4	SEAL
8	73042941	2	RETAINER
9	73026026	4	CAPSCREW
10	73016458	2	BUSHING (self-aligning)
11	73042939	2	RETAINER
	70924178	2	FITTING, lube straight, 1/8" NPT
12	73042937	1	SPACER
13	70925751	2	LOCKNUT, 2-1/4" NC
14	73059535	1	FRAME, weld assy. (includes item 15 and 16)(Not for Loader series 33A)
	73072644	1	FRAME, weld assy.(For Loader series 33A only)(includes item 15 and 16)
15	73020678	2	BUSHING (axle support)
16	73042935	1	BUSHING (upper)
17	73067624	2	DECAL, pressure relief-fitting
	73053501	1	BAR, safety, (used on Loader series 21C, 10L prior to unit no. 05530)
	70916375	2	CAPSCREW, 1" NF x 3-1/4"
	70910916	2	LOCKWASHER, 1"
	70911047	2	NUT, 1"
18	73061892	1	BAR, weld assy. (Includes chain)(used on Loader series 21C, 10L effective with unit no. 05530; also used on all Loader series 21S, 33A)
	73061895	1	PIN, detent (Includes ring)
	73061793	1	PIN, pivot
	70919116	1	PIN, roll
19	73069202	1	DECAL, lube and service (see page 279 for foreign language versions)
20	73066557	2	DECAL, warning
21	-----	1	DECAL, stripe, 66" (refer to item 30)
22	70694423	1	DECAL, trademark
23	70694459	1	DECAL, "545-B"
24	73057500	1	PLATE
	73058085	1	PLATE (Special Equipment-required when moisture ejector drain valve is used)
	70916272	4	CAPSCREW, 3/8" NC x 1-3/4"
	70910287	4	LOCKWASHER, 3/8"
	70911115	4	WASHER, 3/8"
26	73062363	1	COUNTERWEIGHT (Standard on Loader series 33A)
	70916363	4	CAPSCREW, 7/8" NF x 7-3/4"(Not for Loader series 33A)
	70929251	4	CAPSCREW, 7/8" NF x 8-1/2"(For Loader series 33A only)
	73044048	4	WASHER (For Loader series 33A only)
	70905347	4	LOCKWASHER, 7/8"
	70911046	4	NUT, 7/8" NF
27	70633730	1	PIN
28	70694435	1	DECAL, Fiat-Allis
29	73107885	1	DECAL, towing
30	73062870	-	DECAL(25' roll - use as required)

(Continued)

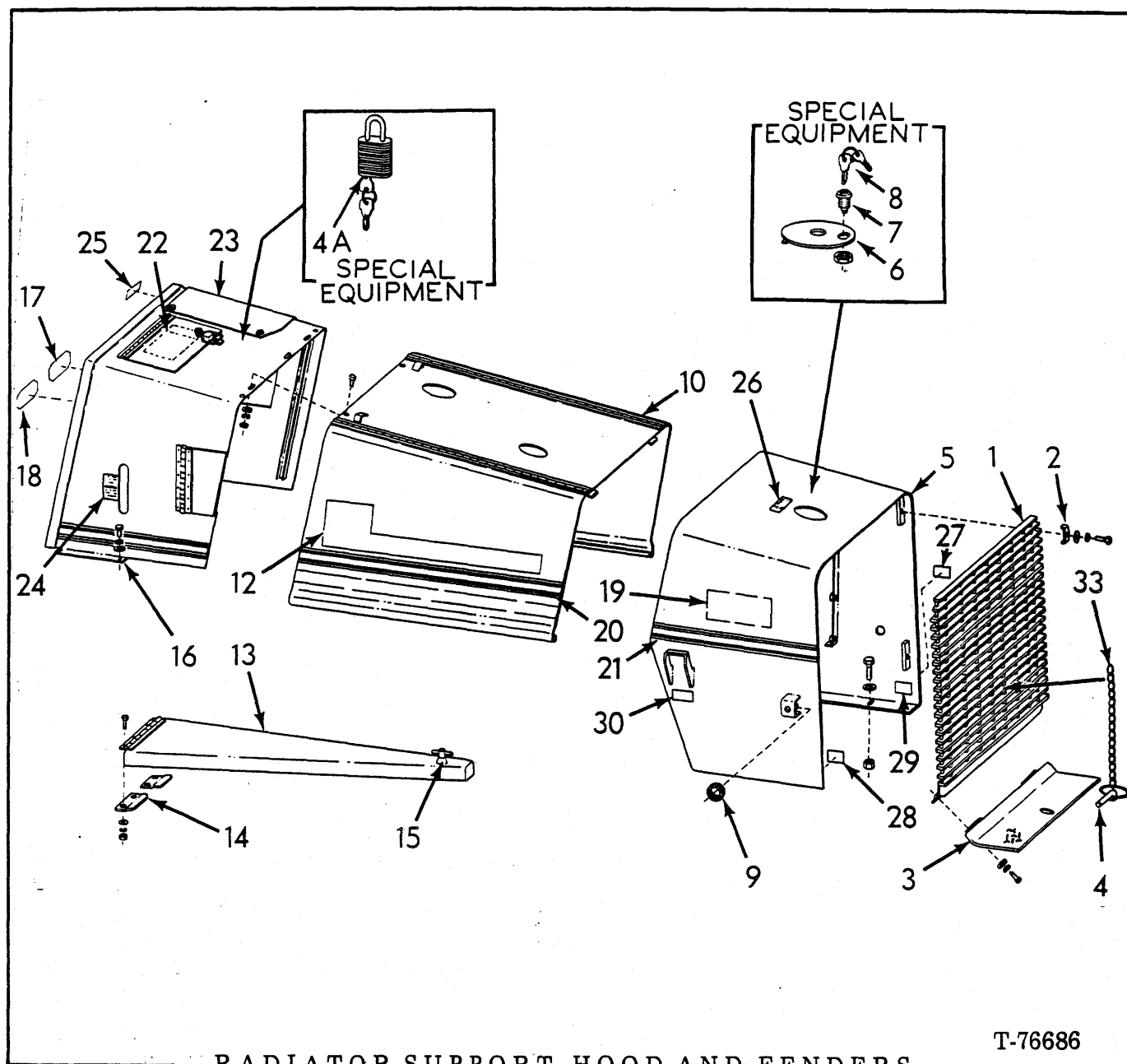


FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
31	73072797	1	BRACKET, license plate, rear	} For Loader series 33A only
	70922743	1	CAPSCREW, heavy, 3/4" NC x 2"	
	73072800	1	SPACER	
	70677012	2	WASHER	
	70930912	1	NUT, heavy, 3/4" NC	
32	73073121	1	†CHAIN	
33	73070584	2	†BLOCK, stop (Used on loaders equipped with 23.1 x 26 tires)	
34	73077179	2	REFLECTOR (Rear of Counterweight)	} Loaders series 33A only eff. unit 07947 and up
	70929915	2	SCREW, #10 thread cutting	
35	73077178	4	REFLECTOR (Sides of Frame)	
	70929915	4	SCREW, #10 thread cutting	

† requires welding to install





RADIATOR SUPPORT, HOOD AND FENDERS

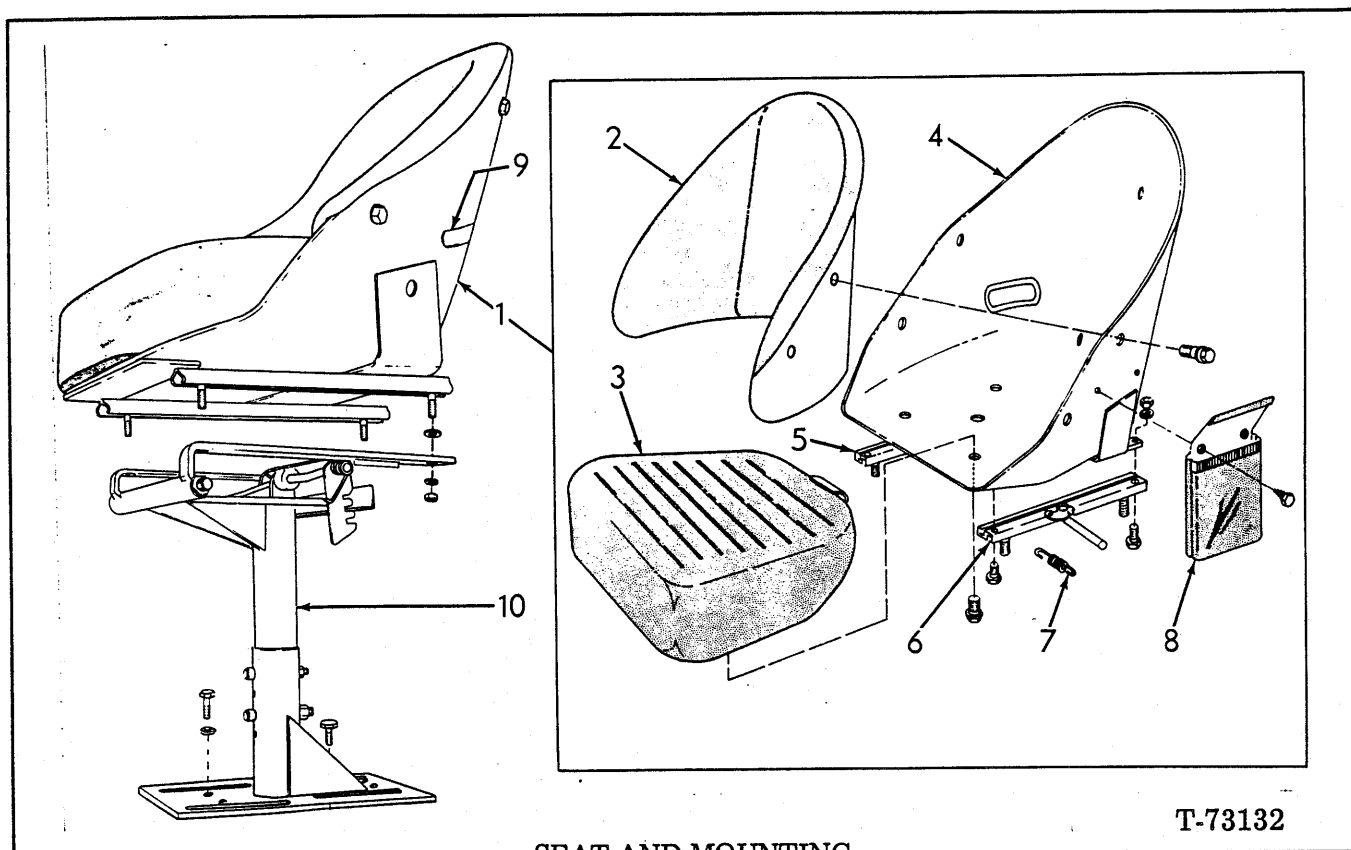
T-76686

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057607	1	GRILL
2	73042646	4	CLIP
	70910948	4	CAPSCREW, 3/8" NC x 2"
	70910287	4	LOCKWASHER, 3/8"
	70928845	4	WASHER
3	73057608	1	COVER
	70915406	2	CAPSCREW, 1/4" NC x 3/4"
	70911114	2	WASHER, plain, 1/4"
	70904204	2	LOCKWASHER, 1/4"
	73061490	1	HANDLE ASSY., battery cover (Not illustrated)
4	70239854	1	PIN
4a	70930998	2	LOCK ASSY. (Special equipment)(Includes item 8)

(Continued)

# RADIATOR SUPPORT, HOOD AND FENDERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	73057600	1	SUPPORT
	70921177	8	CAPSCREW, 5/8" NF x 2-1/4"
	70677010	8	WASHER, plain (special)
	70916589	8	LOCKNUT, 5/8" NF
6	73057513	1	COVER ASSY. (Special equipment)
7	73058015	1	LOCK ASSY. (Special equipment)(Includes item 8)
8	70931742	2	KEY (Qty. 2 included with item 4a)
	73058910	2	KEY (Qty. 2 included with item 7)
9	-----	2	CHANNEL, rubber, 4" (Refer to item 31)
10	73059712	1	HOOD (Used prior to loader serial no. 21C04855, 10L04480)
	70916270	2	CAPSCREW, 3/8" NC x 1/2"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
	73061783	1	HOOD (Effective with loader serial no. 21C04855, 10L04480; also used on all Loader series 21S, 33A)
11	70924551	2	DECAL, "Allis-Chalmers" trademark
12	70924534	2	DECAL, "A-C" trademark
	70694430	2	DECAL, "F-A" Fiat-Allis (shown)
13	73057291	1	FENDER, left
	73057292	1	FENDER, right
	70916272	8	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	8	LOCKWASHER, 3/8"
	70900817	8	WASHER, plain, 3/8"
	70910324	8	NUT, 3/8" NC
14	73056967	4	BAR
15	74359167	2	HANDLE
16	73059711	1	BONNET ASSY. (Includes item 23)
	70916271	4	CAPSCREW, 3/8" NC x 1"
	70900817	4	WASHER, plain, 3/8"
	70910287	4	LOCKWASHER, 3/8"
	70915991	6	CAPSCREW, No. 10 self-tapping (First type - slotted hex-hd.)
17	73067621	1	DECAL, air restriction indicator
18	73067606	1	DECAL, clutch cut-off
19	73058167	2	DECAL, 545
20	-----	-	DECAL, 160" (Refer to item 32)
21	73058875	2	DECAL, series B
22	73067611	1	DECAL, hydraulic tank instructions
23	73059574	1	COVER
	70926339	6	CAPSCREW, No. 10-24 NC x 3/8" (includes lockwasher)
24	73067607	1	DECAL, oil level
25	73067625	1	DECAL, fuel shut-off
26	73107884	1	DECAL, fluid pressure
27	73108815	1	DECAL, check air tanks
28	73109134	1	DECAL, battery disconnect
29	73107882	1	DECAL, flammable vapors
30	73107881	2	DECAL, blades and belts
31	73048123	-	CHANNEL (25' length - use as required)
32	73062870	-	DECAL (25' length - use as required)
33	73077093	1	CABLE
34	73072776	2	RING, key } For Loader series 33A only



T-73132

# SEAT AND MOUNTING

USAGE: Not for Loaders series 33A serial No. 33A07947 and up

\* First type

\*\* Second type

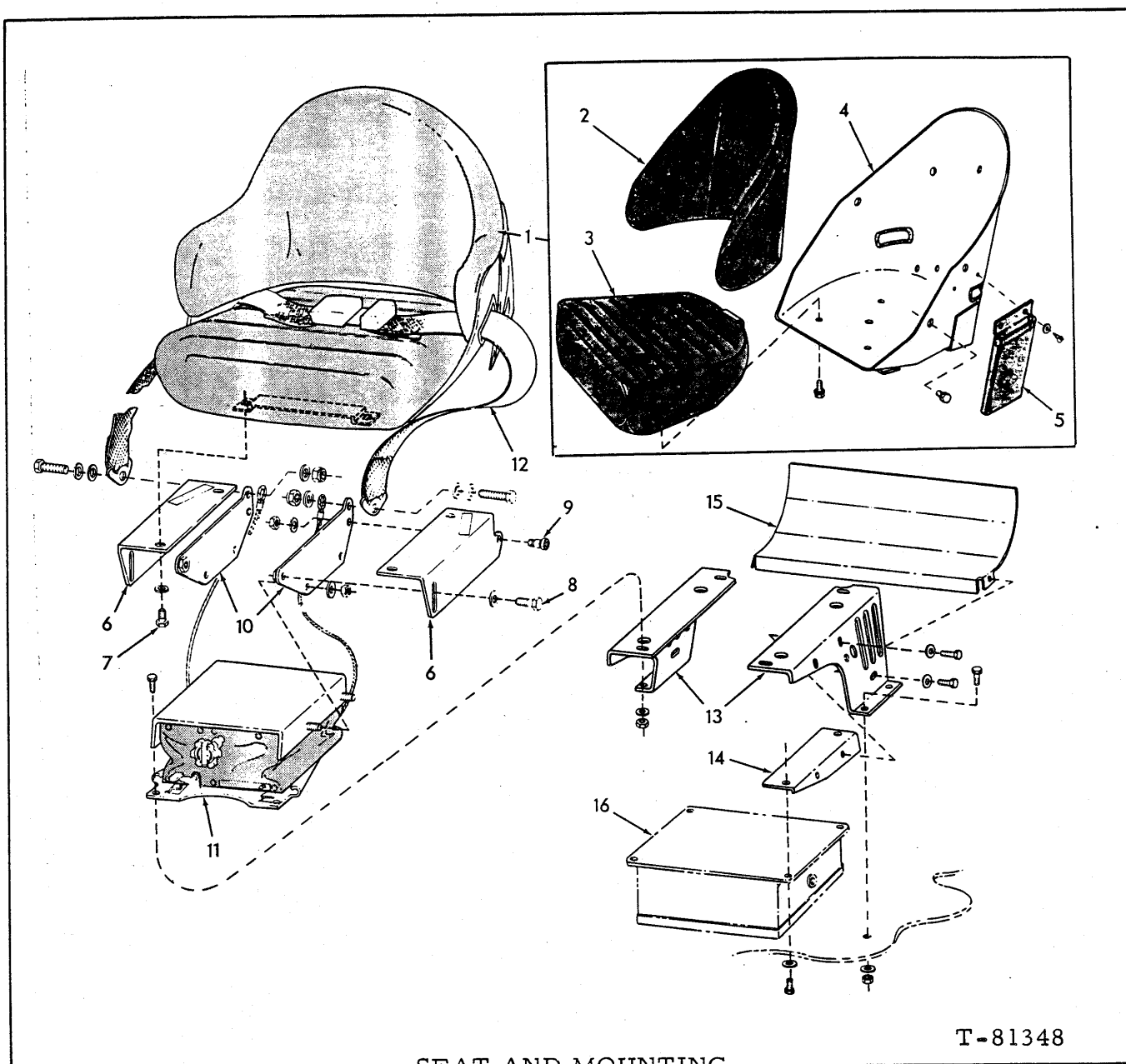
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	-	SEAT ASSY.
	73068246	-	1	SEAT ASSY. (Includes items 2 thru 8)
	70921566	-	4	CAPSCREW, 5/16" NC x 1" (use for replacement of stud)
	70900817	-	4	WASHER, 3/8"
	70904205	-	4	LOCKWASHER, 5/16"
	70910323	-	4	NUT, 5/16" NC
2	73048869	1	1	BACKREST ASSY.
	70922586	5	-	CAPSCREW, 3/8" NC x 5/8"
	70916956	5	-	WASHER, plain, 13/32"
	70921311	-	5	CAPSCREW, 5/16" NC x 5/8" (Includes washer)
3	73048868	1	1	CUSHION
	70922586	2	-	CAPSCREW, 3/8" NC x 5/8"
	70916956	1	-	WASHER, plain, 13/32"
	70921311	-	2	CAPSCREW, 5/16" NC x 5/8" (Includes washer)
4	-----	1	1	SHELL ASSY. (Order item 1)
5	73060174	-	1	ADJUSTER ASSY.
	70921311	-	2	CAPSCREW, 5/16" NC x 5/8"
	70904205	-	1	LOCKWASHER, 5/16"
	70910323	-	1	NUT, 5/16" NC
6	73060175	-	1	ADJUSTER ASSY.
	70921311	-	2	CAPSCREW, 5/16" NC x 5/8"
	70904205	-	1	LOCKWASHER, 5/16"
	70910323	-	1	NUT, 5/16" NC
7	73061060	1	1	SPRING

(Continued)

(Revised April 1981)

## SEAT AND MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	73108441	1 -	POUCH
	70916081	2 -	SCREW, rd. hd., 1/4" NC x 1/2"
	73068320	- 1	POUCH (Velcro closure)
	70912307	- 2	SCREW, no. 8 x 1/2"
	70923212	- 2	WASHER, no. 10
9	73109131	1 1	DECAL, operator manual
10	73058049	1 1	PEDESTAL ASSY.
	70916311	3 3	CAPSCREW, 1/2" NC x 1-1/4"
	70915987	1 1	CAPSCREW, 1/2" NC x 1-1/2"
	70912441	4 4	LOCKWASHER, 1/2"
	70910325	1 1	NUT, 1/2" NC
11	73108440	- 1	CHAIN ASSY. (secures O.M. to item 8) ( not illustrated)



### SEAT AND MOUNTING

USAGE: Loaders series 33A only, effective serial No. 33A07947 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73072099	1	SEAT ASSY. (Includes items 2 thru 4)
2	73100879	1	BACKREST ASSY.
	70921311	5	CAPSCREW, 5/16"NC x 5/8" (Includes washer)
3	73100880	1	CUSHION
	70921311	2	CAPSCREW, 5/16"NC x 5/8" (Includes washer)
4	-----	1	SHELL ASSY. (Order item 1)
5	73068320	1	POUCH
	70912307	2	SCREW, No. 8 x 1/2"
	70923212	2	WASHER, No. 10

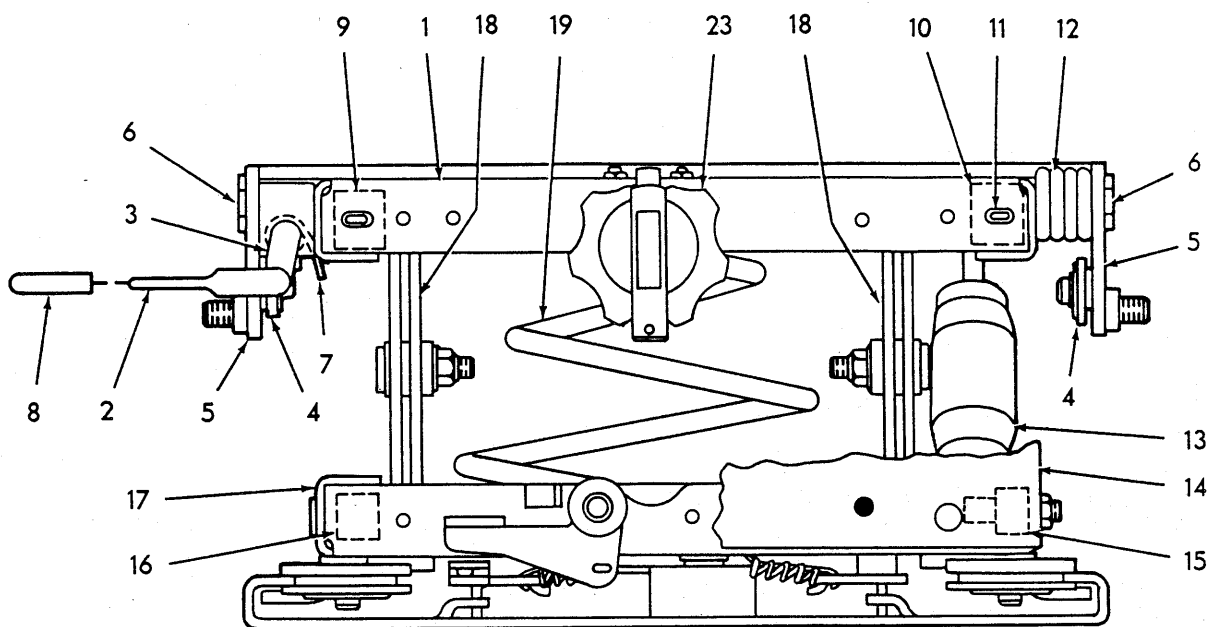
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## SEAT AND MOUNTING (Continued)

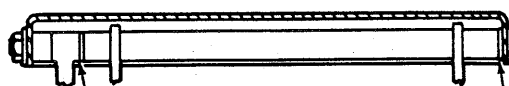
ITEM	PART NO.	QTY	DESCRIPTION
6	73075883	1	PLATE, left
	73075884	1	PLATE, right
7	70922925	4	CAPSCREW, 5/16"NC X 3/4"
	70677005	4	WASHER
	70933622	2	NUT, 5/16"NC
8	73074493	2	CAPSCREW, 1/2"NC X 1-1/4"
	73074494	2	WASHER
9	70927538	2	SCREW, shoulder, hex-socket, 3/8"NC
	73074491	4	WASHER
	73074492	2	NUT, 3/8"NC
10	73075881	1	PLATE, left
	73075882	1	PLATE, right
11	73072057	1	SUSPENSION ASSY.
	70927173	4	CAPSCREW, 3/8"NC X 1-1/8"
	70677006	4	WASHER
	70933623	4	NUT, 3/8"NC
12	73075858	1	SEAT BELT ASSY.
	70921556	2	CAPSCREW, 1/2"NC X 2"
	73074494	6	WASHER, 1/2"
	70923352	2	NUT, 1/2"NC
13	73076737	1	SUPPORT, left
	73076738	1	SUPPORT, right
	70927173	4	CAPSCREW, 3/8"NC X 1-1/8"
	70677006	4	WASHER
	70933623	4	NUT, 3/8"NC
14	73076717	1	PLATE, left
	73076718	1	PLATE, right
	70927173	4	CAPSCREW, 3/8"NC X 1-1/8"
	70677006	4	WASHER
15	73076719	1	DEFLECTOR
	70927173	2	CAPSCREW, 3/8"NC X 1-1/8"
	70677006	2	WASHER
16	-----	1	HEATER ASSY. (See page 267C)

(Revised April, 1988)

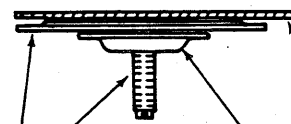




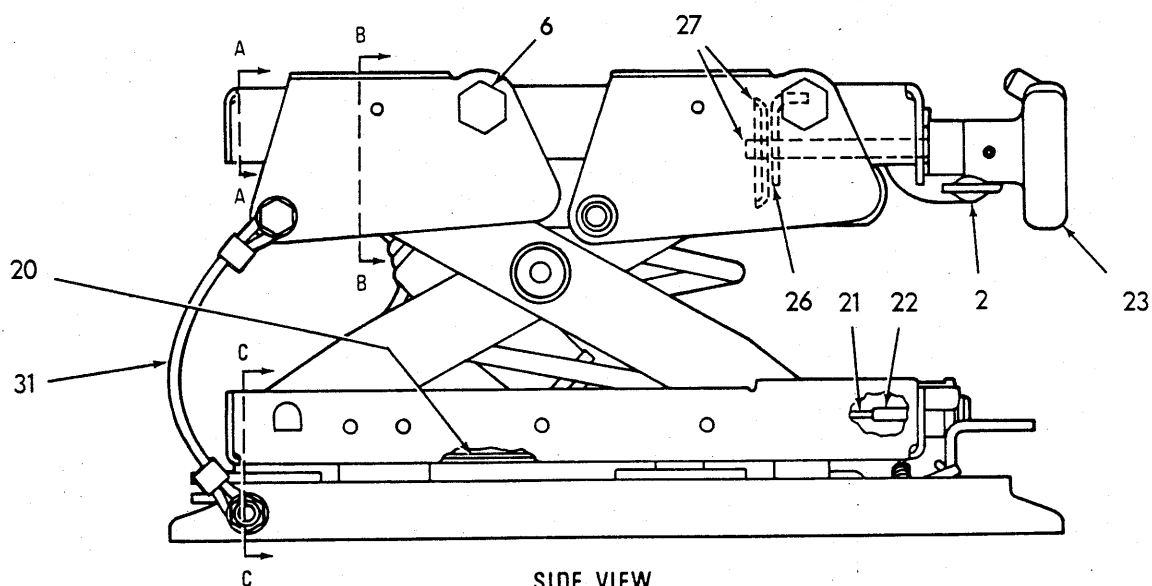
FRONT VIEW



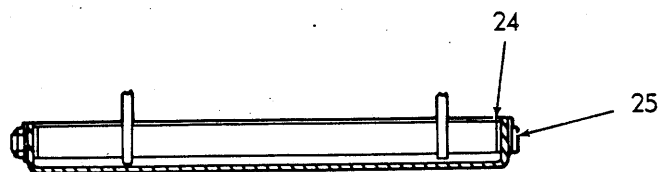
VIEW A-A



VIEW B-B



SIDE VIEW



VIEW C-C

SEAT SUSPENSION

T-81295

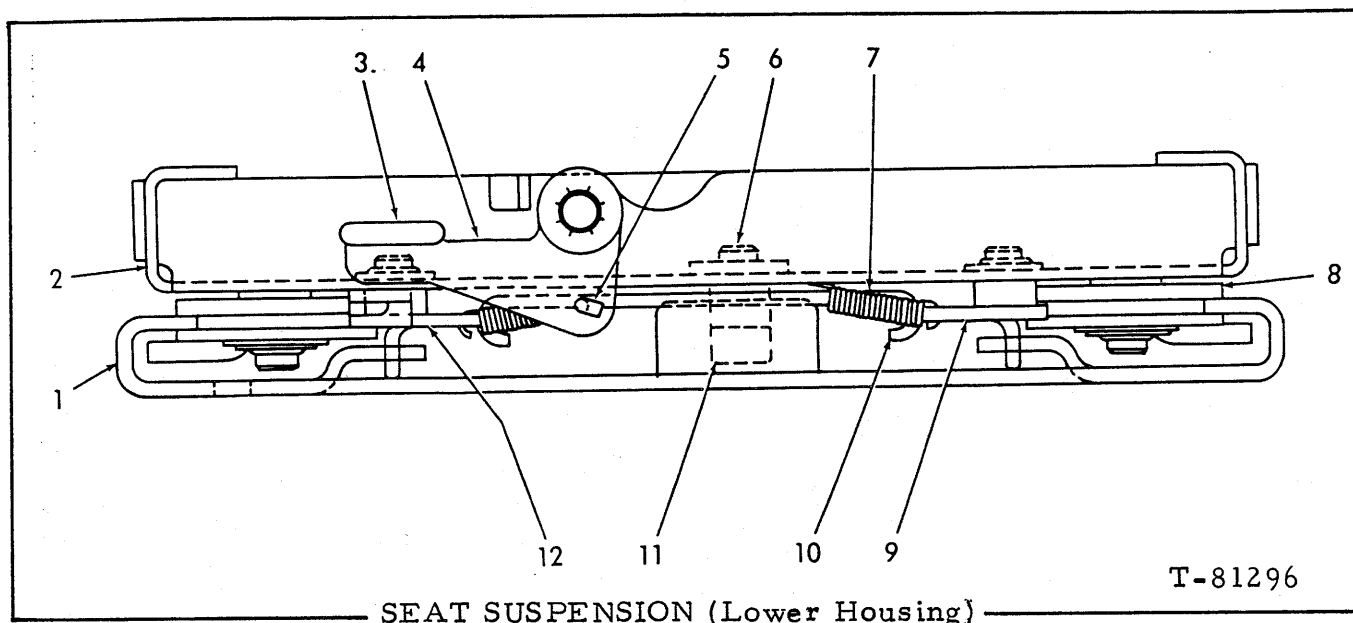
220D

(Added April 1981)

## SEAT SUSPENSION

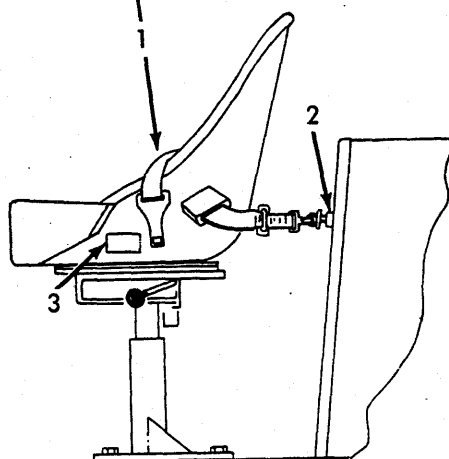
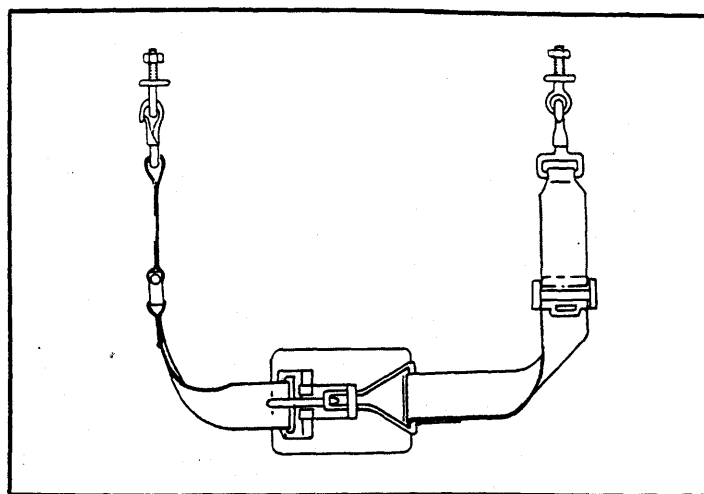
USAGE: See page 220B

ITEM	PART NO.	QTY.	DESCRIPTION
1	73076421	1	HOUSING, upper
2	73076434	1	LEVER, height adjuster
	73076454	1	PIN
3	73076438	1	LATCH, height adjuster
4	73076437	2	LINK, connecting (Requires 70934825 lubricant)
	73076464	4	RETAINER
5	73076433	2	CROSS LINK
	73076463	4	WASHER
	73076460	4	LOCKNUT
6	73076436	4	BOLT, shoulder (Requires 70934825 lubricant)
7	73076435	1	SPRING, latch return
8	73076440	1	CAP, height adjuster (Requires 70927991 adhesive to install)
9	73076420	1	BLOCK, slider
10	73076422	1	BLOCK, slider
11	73076427	2	BUMPER
12	73076439	2	SPRING, height adjuster
13	73076423	1	SHOCK ABSORBER
	73076424	2	BEARING, shock absorber
	73076425	1	BOLT, shoulder
	73076460	1	LOCKNUT
14	73076431	1	BOOT, suspension (Requires 70927991 adhesive to install)
	73076432	23	BUTTON SNAP
15	73076421	1	BLOCK, slider
16	73076419	1	BLOCK, slider
17	-----	1	HOUSING, lower (See page 220F)
18	73076414	1	SUSPENSION ARM ASSY.
19	73076410	1	SPRING
20	73076409	1	PAD, spring, (Requires 70927991 adhesive to install)
21	73076428	1	RIDE INDICATOR
22	73076453	1	PIN, roll
23	73076430	1	KNOB, weight adjustment
	73076452	1	PIN, spirol, adjustment knob
24	73076415	4	BEARING, tube
25	73076429	2	SHAFT, bearing
	73076462	2	NUT, jam
26	73076413	1	BRACKET
	73076456	2	BOLT, carriage
	73076459	2	LOCKNUT
27	73076476	1	GEAR AND SHAFT ASSY.
28	73076412	1	GEAR AND SHAFT ASSY. (Requires 70934825 lubricant)
	73076455	1	PIN, roll
29	73076411	1	SPRING WASHER (Requires 70934825 lubricant)
30	73076418	1	THRUST WASHER
31	73076416	2	CABLE
	73076457	2	CAPSCREW
	73076417	2	WASHER
	73076460	2	LOCKNUT



USAGE: See page 220E

ITEM	PART NO.	QTY.	DESCRIPTION
1	73076446	1	TRACK, slide
2	73076441	1	HOUSING, lower
3	73076450	1	CAP, slide latch (Requires 70927991 adhesive to install)
4	73076442	1	LEVER, slide latch
	73076464	1	RETAINER
5	73076443	1	LINK, slide lever latch
6	73076458	1	CAPSCREW, socket head
7	73076444	2	SPRING, slide latch
8	73134671	4	BEARING
	73076464	4	RETAINER
9	73076448	1	LATCH, left slide
	73076464	1	RETAINER
10	73076445	1	ROD, latch
11	73076447	1	SPACER
12	73076449	1	LATCH, right slide
	73076464	1	RETAINER



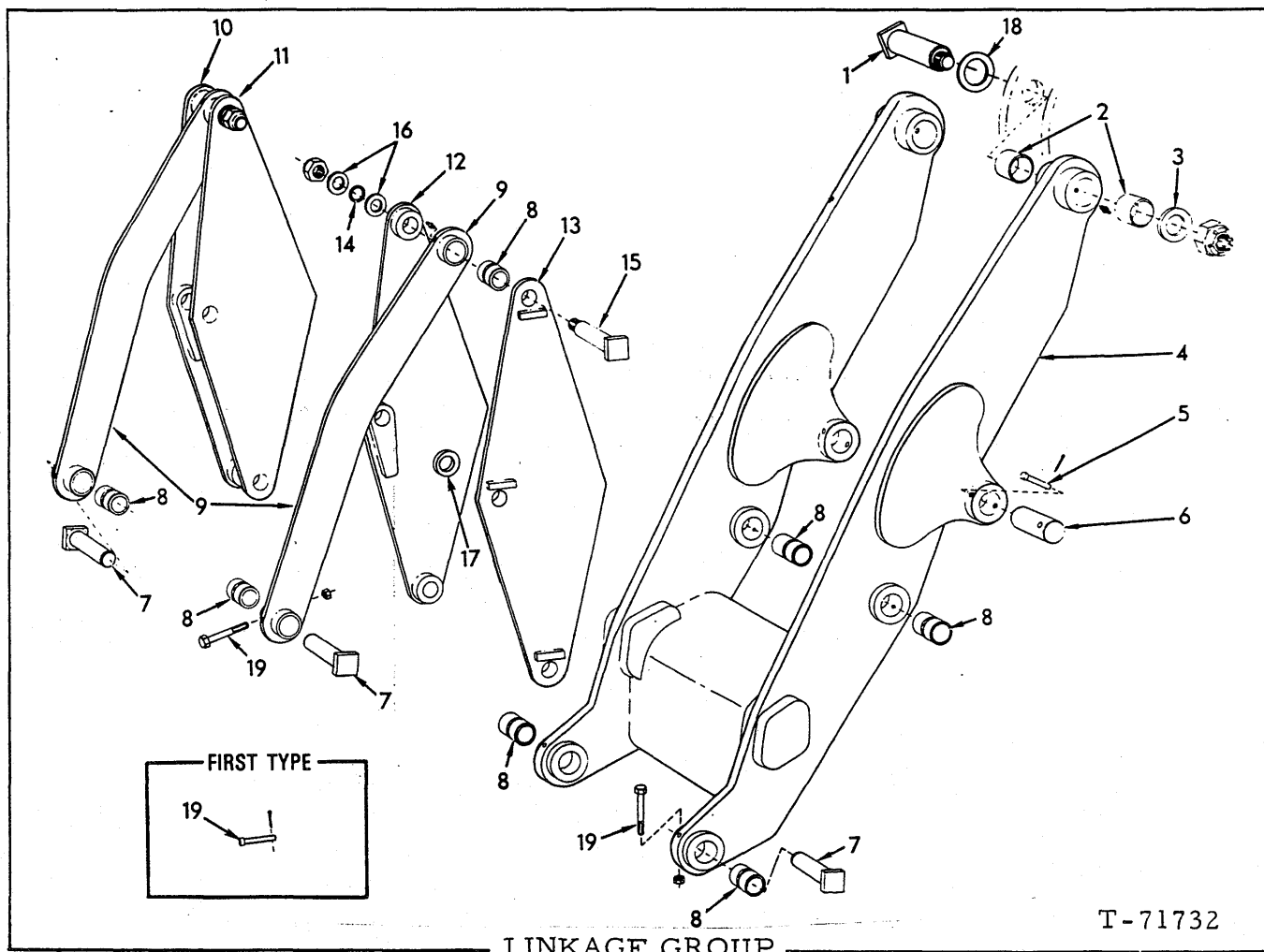
T-76626

# SEAT BELT

USAGE: Not for Loaders series 33A serial No. 33A07947 and up

ITEM	PART NO.	QTY	DESCRIPTION
1	70680080	1	BELT ASSY. (Includes 2 Eyebolts, 2 Nuts and 2 Lockwashers)
2	73057770	2	SPACERS
3	73109131	1	DECAL, instruction manual

NOTE: Use of Seat Belts on roll over protection structure (ROPS) equipped vehicles is recommended.  
FASTEN SEAT BELTS SECURELY!



ITEM	PART NO.	QTY.	DESCRIPTION
1	73050040	2	PIN
	70924130	2	NUT, 1-3/4"NC
	70915274	2	FITTING, lube, 45°, 1/8"NPT
2	73010347	4	BUSHING
3	73044963	2	WASHER
4	73055119	1	BOOM ASSY. (Includes items 2 and 8)(Not for Loader series 33A prior to unit #07947)
	73072696	1	BOOM ASSY. (Includes items 2 and 8)(For Loader series 33A only prior to unit #07947)
	70914465	6	FITTING, lube, straight, 1/8"NPT
5	73011625	2	PIN
	70900811	2	PIN, cotter, 3/16" x 1-1/2"
6	73045096	2	PIN
7	73045059	4	PIN
8	73045042	8	BUSHING
9	73050174	2	LINK ASSY. (Includes item 8)(Not for Loader series 33A prior to unit #07947)
	73072687	2	LINK ASSY. (Includes item 8)(For Loader series 33A only prior to unit #07947)
	70914465	4	FITTING, lube, straight, 1/8"NPT
10	73050142	1	LINK, right outer
11	73050140	1	LINK, right inner
12	73050139	1	LINK, left inner
13	73050141	1	LINK, left outer
14	73042772	-	WASHER (.0359" thick)
	73042773	-	WASHER (.059" thick)

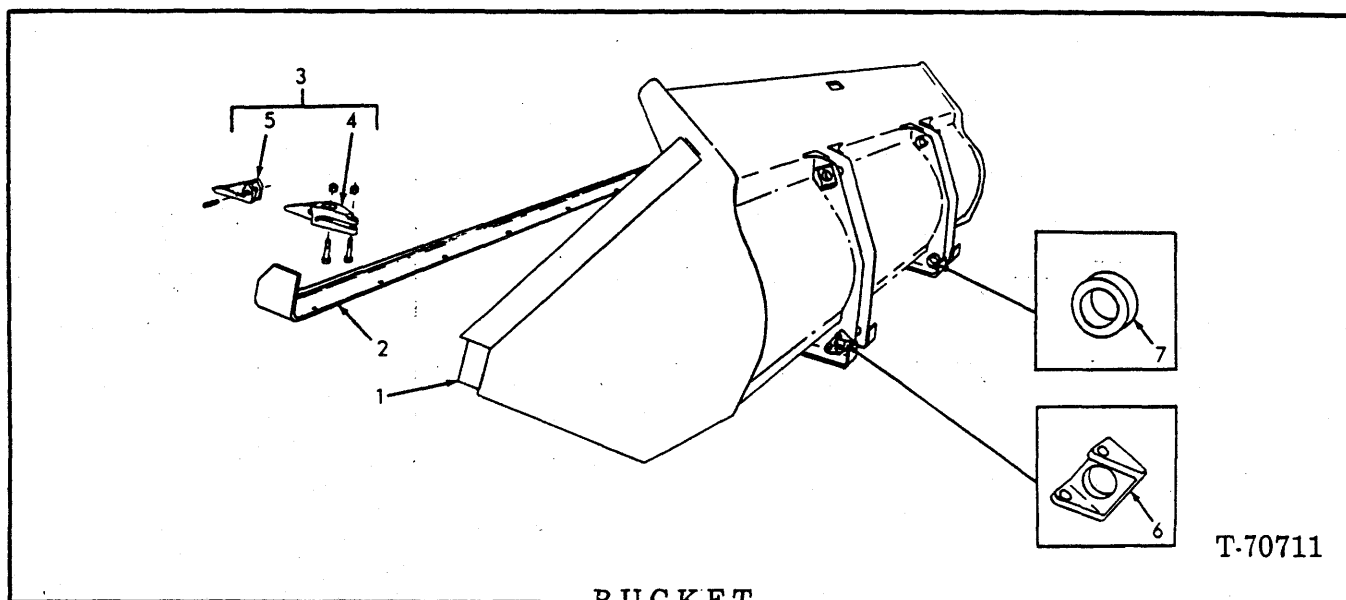
} Use as required.

(Continued)

(Revised April 1981)

# LINKAGE GROUP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
15	73045055	6	PIN, cross link	
16	73001559	6	WASHER	
	70917835	6	NUT, 1-1/2"NF	
17	70634237	4	WASHER (Used at dump cylinder rod head only)	
18	73062631	2	WASHER (.060" thick)	
	73011625	4	PIN	} First type
19	70900811	4	PIN, cotter, 3/16" x 1-1/2"	
	70927180	4	CAPSCREW, 1/2" NC x 5-1/4"	} Second type
	70915972	4	LOCKNUT, 1/2" NC	



USAGE: \* 95-1/4" BUCKET  
 \*\* 105" BUCKET

NOTE: Complete BUCKET ASSY. is a Machinery item.

ITEM	PART NO.	QTY. * **	DESCRIPTION	
1	.....	1 -	BUCKET ASSY. (1.5 cu. yd.)	See page 225a for service replacement
	.....	1 -	BUCKET ASSY. (1.74 cu. yd.)	
	.....	1 -	BUCKET ASSY. (2 cu. yd.)	
	.....	1 -	BUCKET ASSY. (2.25 cu. yd.)	
	.....	1 -	BUCKET ASSY. (2.5 cu. yd.)	
	.....	- 1	BUCKET ASSY. (3 cu. yd.)	
	.....	- 1	BUCKET ASSY. (3.5 cu. yd.)	
	.....	- 1	BUCKET ASSY. (2.5 cu. yd.)	
2	73050992	1 -	† EDGE (Heat treated) 3/4" thick. Has holes for mounting 8 teeth.	See NOTE page 225
	73045720	1 -	† EDGE (Heat treated) 3/4" thick. Has holes for mounting 7 teeth.	
	73043039	1 -	† EDGE (Not heat treated) 3/4" thick. Does not have holes for teeth.	
	73053247	- 1	† EDGE (Heat treated) 3/4" thick. Has holes for mounting 9 teeth.	
	73045722	- 1	† EDGE (Heat treated) 3/4" thick. Has holes for mounting 7 teeth.	
	73045344	- 1	† EDGE (Not heat treated) 3/4" thick. Does not have holes for mounting teeth.	
3	73027870	AR -	TOOTH ASSY. (Includes items 4 and 5)	
	73044958	- AR	TOOTH ASSY. (Includes items 4 and 5)	
4	73027869	AR -	SHANK	
	73044957	- AR	SHANK	
	70921572	AR AR	CAPSCREW, 1/2" NF x 3-1/8"	
	70038234	AR AR	NUT, high, 1/2" NF	

(Continued)

# BUCKET (Continued)

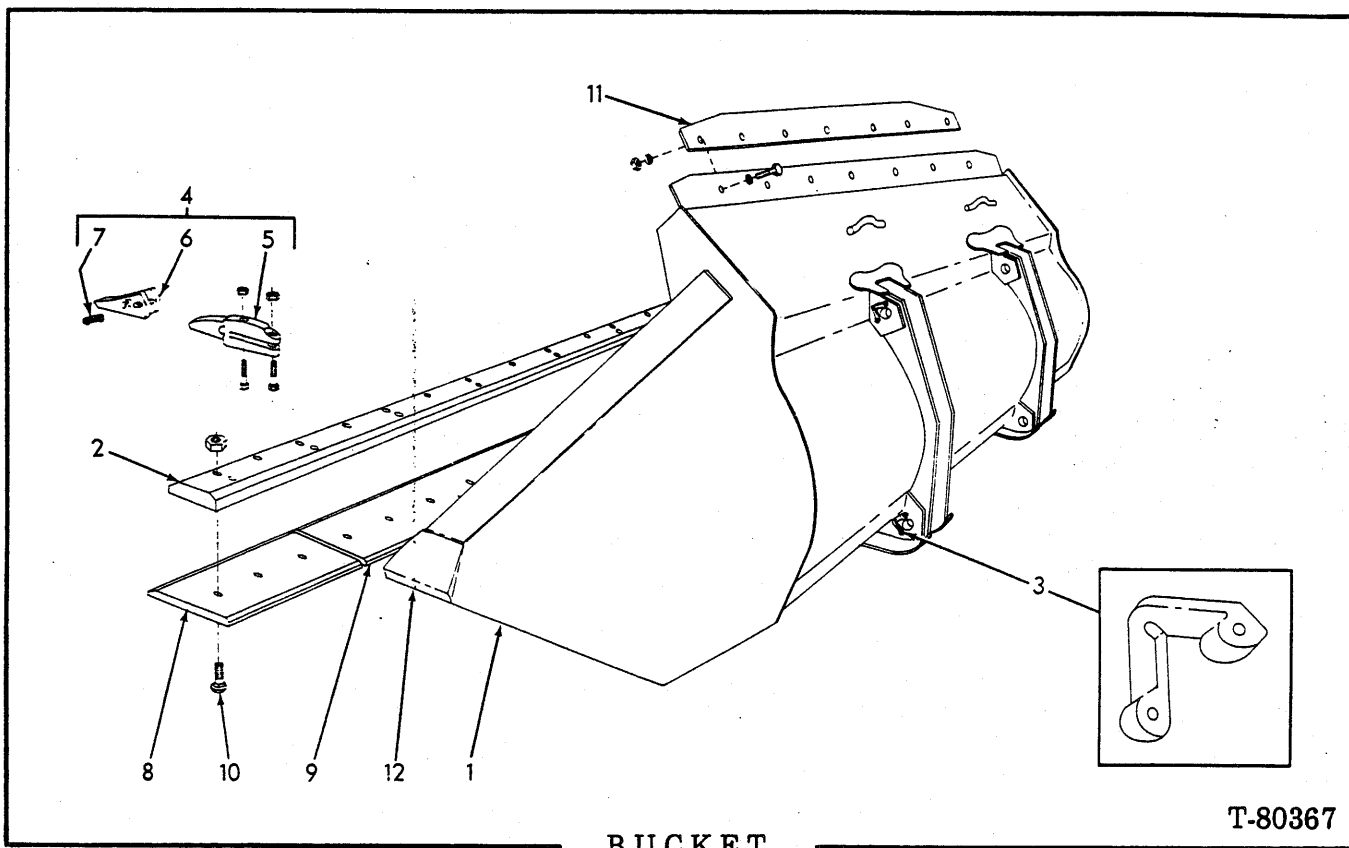
ITEM	PART NO.	QTY. * **	DESCRIPTION
5	73020853	AR -	POINT (General Purpose)
	70921200	AR -	PIN, roll, 1/2" x 2-3/4"
	73062624	AR -	POINT (High impact applications)
	73014986	- AR	POINT, shank
	73070461	AR -	POINT (Extreme abrasion application)
	70921454	- AR	PIN, roll, 1/2" x 2-3/8"
6	73062292	4 4 †	STOP
7	73062293	4 4 †	BOSS

NOTE: Each group of cutting edges in item 2 is listed in sequence of performance expectation.

† - Requires welding to install

AR - As Required





USAGE: \* 95" bucket width  
 \*\*105" bucket width

NOTE: Complete BUCKET ASSY. is a Machinery item - see your FIAT-ALLIS dealer. Quantity indicated is for one bucket. Items 5 thru 11 are Special Equipment.

ITEM	PART NO.	QTY. * **	DESCRIPTION	
1	73065903	1 -	BUCKET ASSY. (1-3/4 cu. yd.)	each includes items 2, 3 and 12
	73065904	1 -	BUCKET ASSY. (2 cu. yd.)	
	73065905	1 -	BUCKET ASSY. (2-1/4 cu. yd.)	
	73065157	1 -	BUCKET ASSY. (2-1/2 cu. yd.)	
	73065924	- 1	BUCKET ASSY. (2-1/2 cu. yd.)	
	73065925	- 1	BUCKET ASSY. (2-3/4 cu. yd.)	
	73064881	- 1	BUCKET ASSY. (3 cu. yd.)	
2	73065926	- 1	BUCKET ASSY. (3-1/2 cu. yd.)	
	73065704	1 -	† EDGE (heat treated)(1-1/8" thick)	
	73064546	- 1	† EDGE (heat treated)(1-1/8" thick)	
3	70648977	4 4	† STOP	
4	-----	8 9	TOOTH ASSY. (order items 5, 6 and 7)	
5	73064906	8 9	SHANK	
	70922789	16 18	CAPSCREW, 3/4" NC x 3"	
	70930912	16 18	NUT, heavy, 3/4" NC	
6	73020853	8 9	POINT, general purpose	
	73062624	8 9	POINT (High impact applications)	
	73070461	8 9	POINT (Extreme abrasion applications)	
7	73066439	8 9	PIN ASSY. (serviced only as an assy.)	
8	73064139	2 2	EDGE, heat treated	

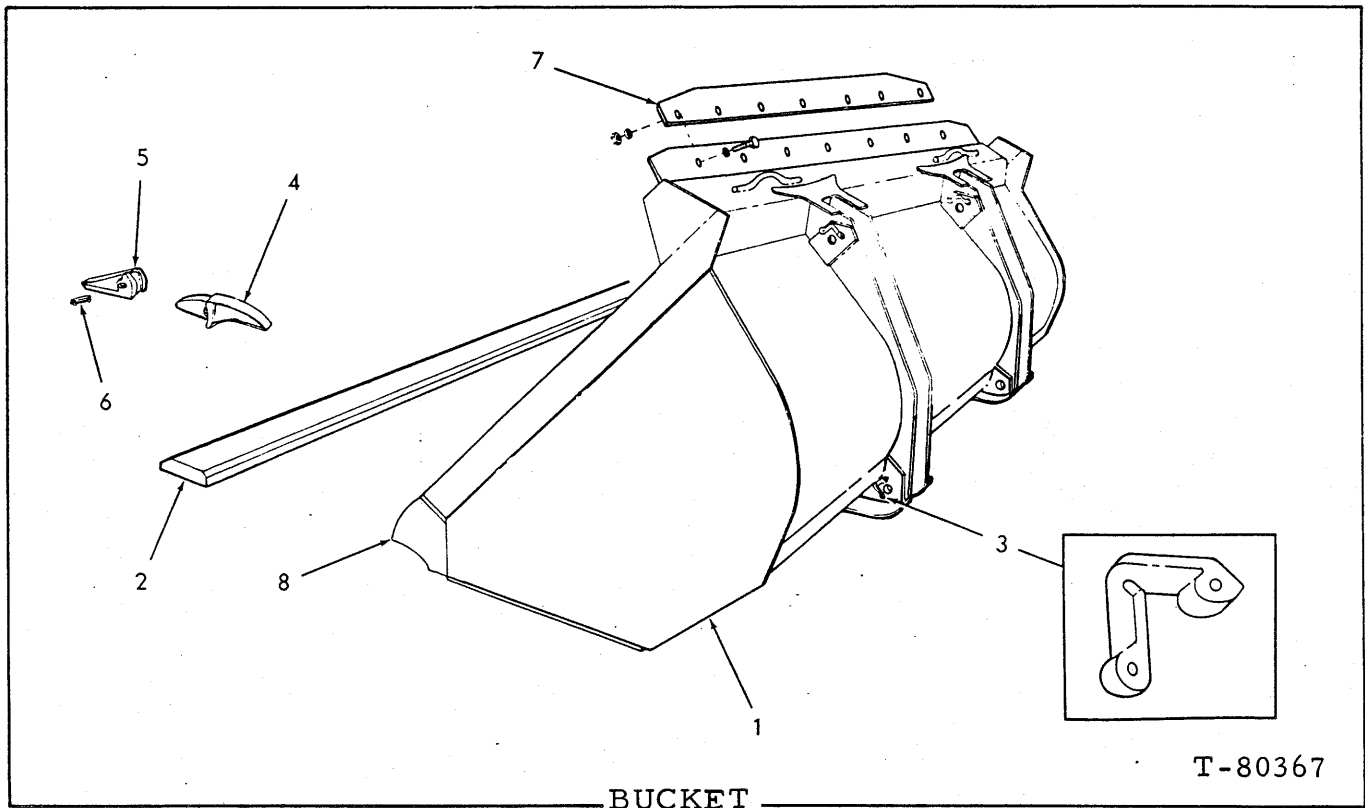
(Continued)

(Revised June 1980)

# BUCKET (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
9	73064170	1 -	EDGE
	73064171	- 1	EDGE } heat treated
10	70931934	15 17	BOLT, plow, 3/4" NC x 3"
	70930912	15 17	NUT, 3/4" NC
11	73064553	1 1	PLATE, spill
	70921174	7 7	CAPSCREW, 5/8" NC x 2-1/2"
	70677010	14 14	WASHER
	70911029	7 7	NUT, 5/8" NC
12	73064167	2 2	BIT

† requires welding to install

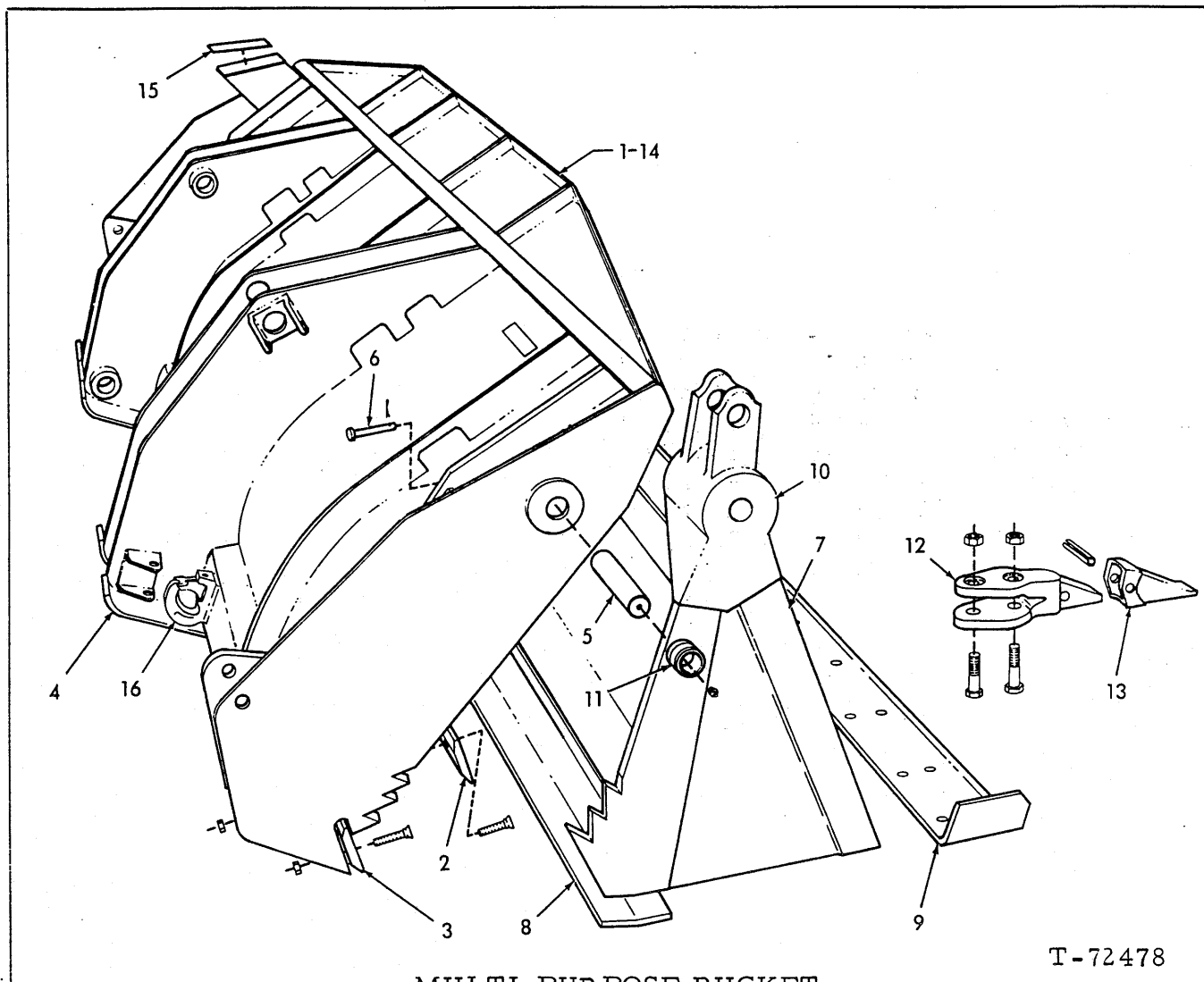


USAGE: 95" bucket width

NOTE: Complete Bucket Assy. is a Machinery item  
- see your Fiat-Allis Dealer. Quantity indicated is for one bucket. Items 5 thru 7 are Special Equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73069570	1	BUCKET ASSY., 2 cu. yd., with welded teeth
2	73069420	1	EDGE (1-1/8" thick, heat heated)(Requires welding to install)
3	70648977	4	STOP (Requires welding to install)
4	73047303	8	SHANK (Requires welding to install)
5	73020853	8	POINT (General purpose)
	73062624	8	POINT (High impact application)
	73070461	8	POINT (Extreme abrasion application)
6	73066439	8	PIN ASSY. (Serviced only as an Assy.)
7	73064553	1	PLATE, spill guard
	70921174	7	CAPSCREW, 5/8"NC x 2-1/2"
	70677010	14	WASHER
	70911029	7	NUT, 5/8"NC
8	73069346	2	BIT (Requires welding to install)

Pl



T-72478

# MULTI-PURPOSE BUCKET

USAGE: Special equipment. Standard on some Loaders series 33A.

△Loaders with first type bucket hydraulics(See page 228).

△△Loaders with second and third type bucket hydraulics

(See pages 229A, 229B)

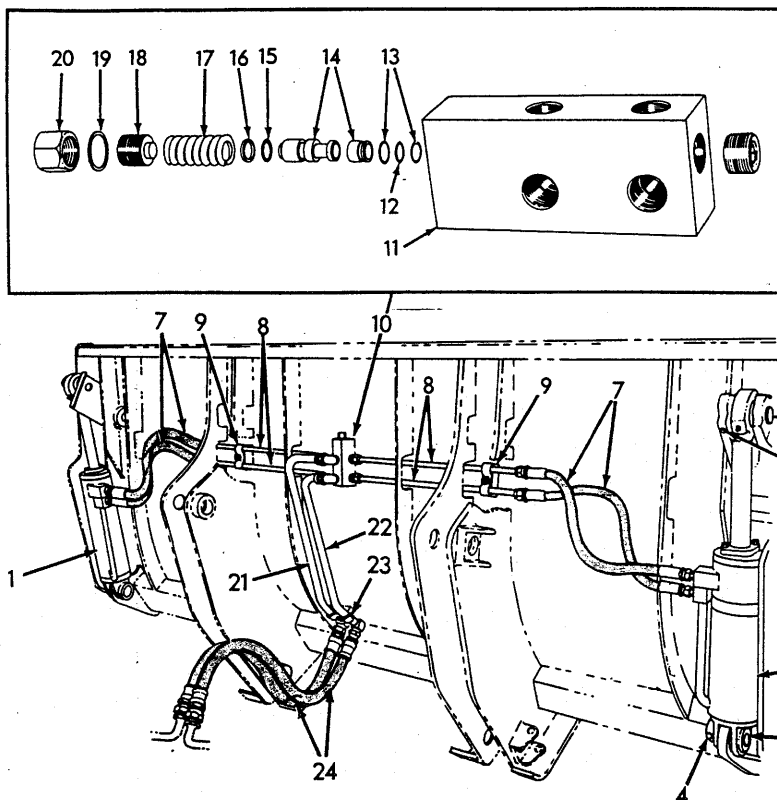
ITEM	PART NO.	QTY.	DESCRIPTION	
		△ △△		
1	70668924	1 -	MOLDBOARD ASSY.	Each includes items 2 thru 4
	73077667	- 1	MOLDBOARD ASSY.	
2	70654248	1 1	EDGE	
	70924797	12 12	BOLT, plow, 3/4"NC x 2"	
	70911030	12 12	NUT, 3/4"NC	
3	70654149	2 -	BIT	
	73077682	- 2	BIT	
	70924797	6 6	BOLT, plow, 3/4"NC x 2"	
	70911030	6 6	NUT, 3/4"NC	
4	70654262	4 4	*SHOE	
5	70654249	2 -	PIN ASSY., clam pivot	Each includes Fitting indented below
	73077669	- 2	PIN ASSY.	
	70914465	2 2	FITTING, lubricating, straight, 1/8"NPT	
	70927219	- 2	CAPSCREW, 1/2"NC x 3/4"	

(Continued)

MULTI-PURPOSE BUCKET (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		Δ ΔΔ	
6	70654250	2 -	PIN
	70900806	2 -	PIN, cotter, 1/8" x 1"
7	70654251	1 -	CLAM ASSY. } Each includes items 8 thru 11
	73077668	- 1	CLAM ASSY. }
8	70654264	1 -	*EDGE
	73077681	- 1	*EDGE
9	70654263	1 1	*EDGE
10	70654265	2 -	*HINGE
	73077679	- 2	*HINGE
11	70653253	4 4	*BUCHING
12	70654132	9 9	SHANK
	70921597	9 9	CAPSCREW, 5/8"NC x 3"
	70928043	9 9	CAPSCREW, 5/8"NC x 3-1/2"
	70911029	18 18	NUT, 5/8"NC
13	70654172	9 9	TIP
	70918245	9 9	PIN, spring, 1/2" x 2-1/2"
14	70654127	2 2	TRANSFER, "clean daily" (Applied to moldboard)
15	70654259	1 -	TRANSFER, clam opening indication } Applied to rear
	73077689	- 1	TRANSFER, clam opening indication } of moldboard
16	73077241	- 1	*HOOK, load

\*Requires welding to install



T-72477

# BUCKET HYDRAULICS

USAGE: First type. Special equipment. For units with multi-purpose bucket.  
(Standard on some Loaders Series 33A prior to S/N 33A07947)(Also  
see pages 229A, 229B)

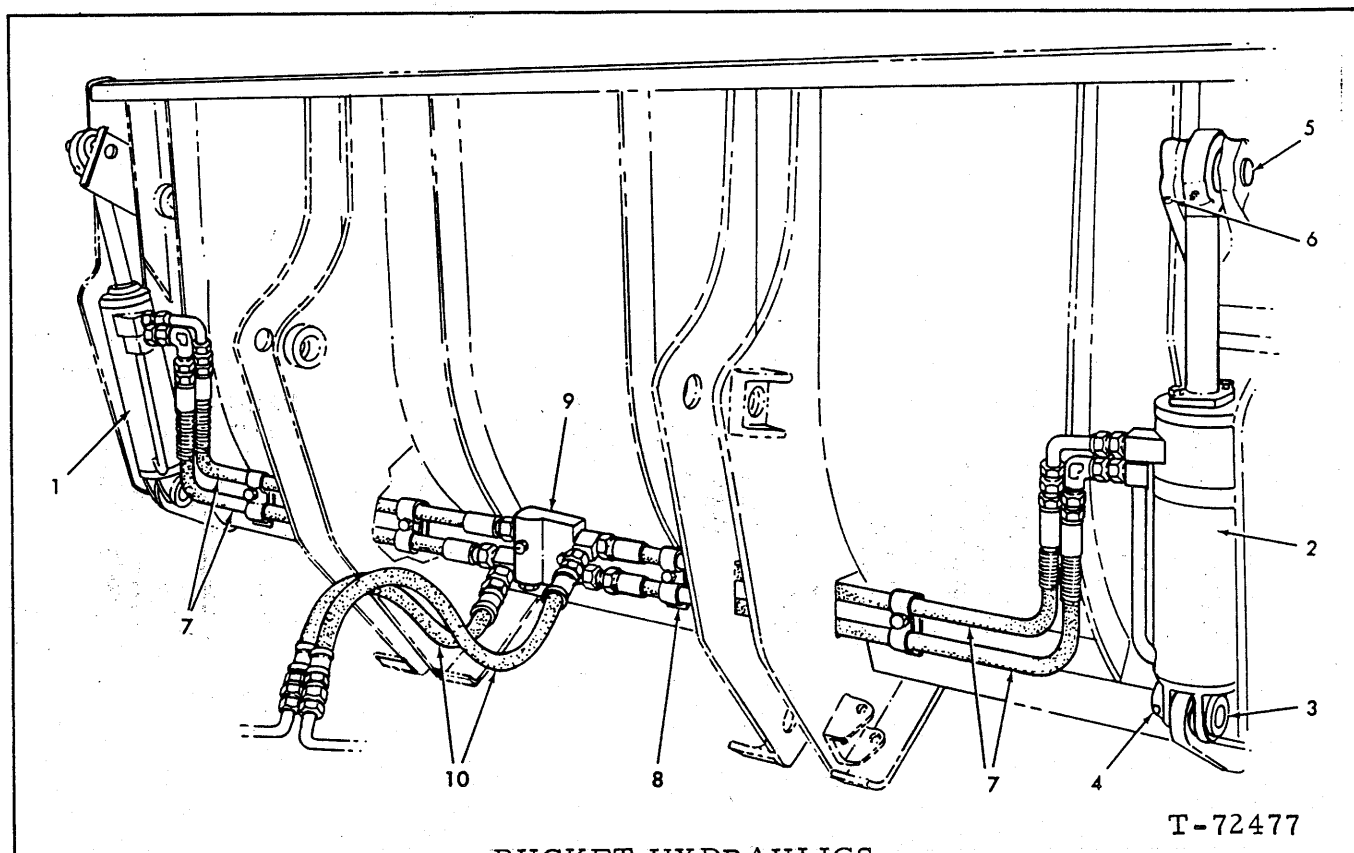
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	CYLINDER ASSY., clam operating, left side)(See pages 230 or 231)
2	-----	1	CYLINDER ASSY., clam operating, right side)(See pages 230 or 231)
3	70654115	2	PIN
4	70652419	2	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
5	70654252	2	PIN
6	70654250	2	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
7	70654126	4	HOSE
8	70654258	4	TUBE
	70919472	4	CONNECTOR, flare type, 5/8" tube, 1/2"NPT male
9	70654125	2	CLAMP
	70910324	2	NUT, 3/8"NC
	70904206	2	LOCKWASHER, 3/8"
10	70654123	1	VALVE ASSY., safety (Consists of items 11 thru 20)
11	-----	1	BODY, relief valve (Not serviced separately)
	70908944	1	PLUG, hex-socket, 1/2"NPT

(Continued)

# BUCKET HYDRAULICS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70654133	1	O-RING
13	70654257	2	RING, back-up
14	70657204	1	PLUNGER ASSY., relief valve (Includes seat)
15	70654033	1	O-RING
16	70656895	1	RING, back-up
17	70656896	1	SPRING, relief valve
18	70656897	1	SCREW
19	70656898	1	GASKET
20	70656899	1	CAP
21	70668925	1	TUBE, vertical, left side
	70920751	1	ELBOW, flare type, 90°, 3/4" tube, 1/2" NPT male
22	70668926	1	TUBE, vertical, right side
	70920751	1	ELBOW, flare type, 90°, 3/4" tube, 1/2" NPT male
23	70654256	2	CLAMP
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70904206	2	LOCKWASHER, 3/8"
	70901165	2	WASHER, plain
24	70668927	2	HOSE (Not for Loader series 33A)
	73046776	2	HOSE(See HOSE PARTS)(For Loader series 33A only)
	70919198	2	NUT, flare type, 1" tube, 1-5/16" straight thread
	70925854	2	REDUCER, flare type, 1" tube, 3/4" straight thread

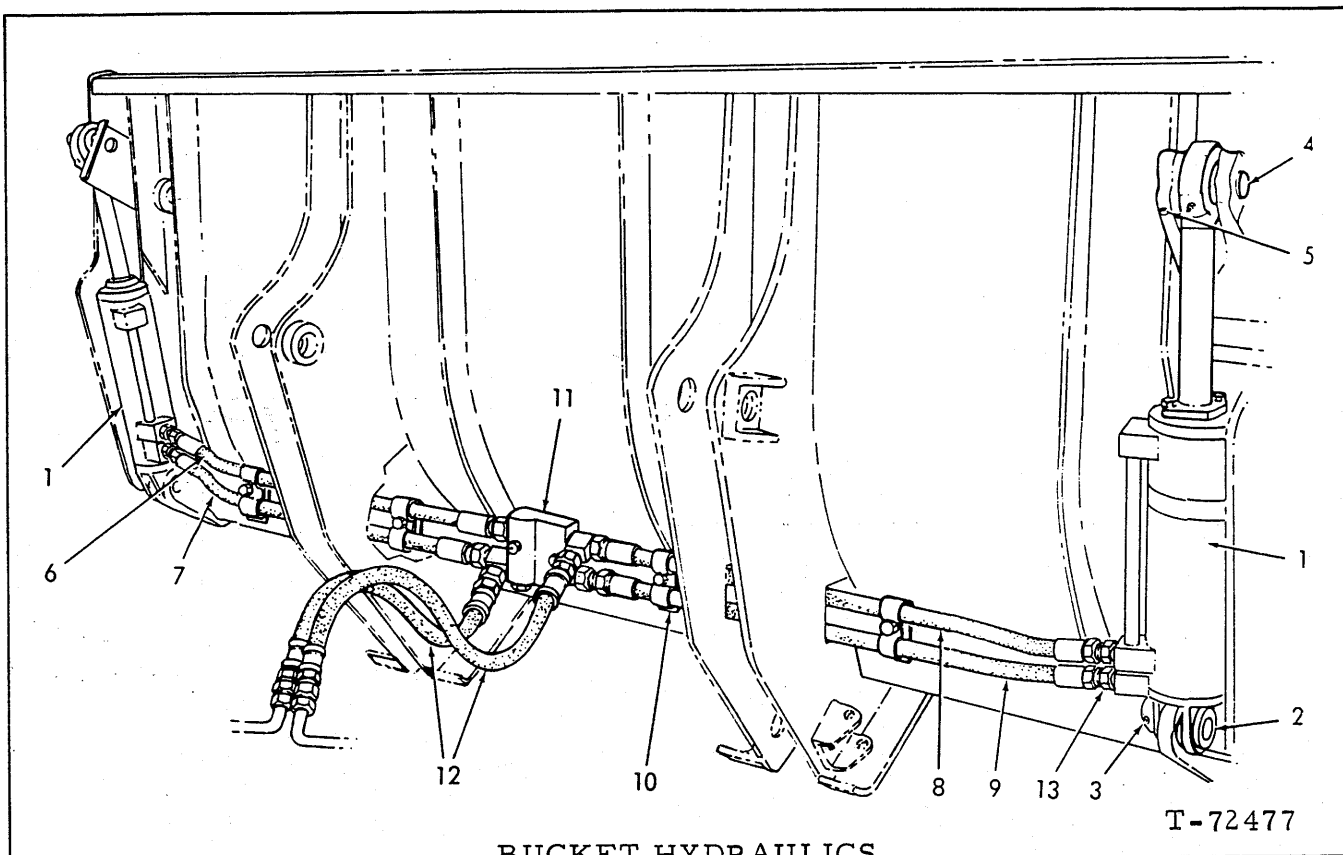




# BUCKET HYDRAULICS

USAGE: Second type. Special equipment. For units with multi-purpose bucket.  
(Standard on some Loaders 33A07947 and up)(Also see pages 229, 229B)

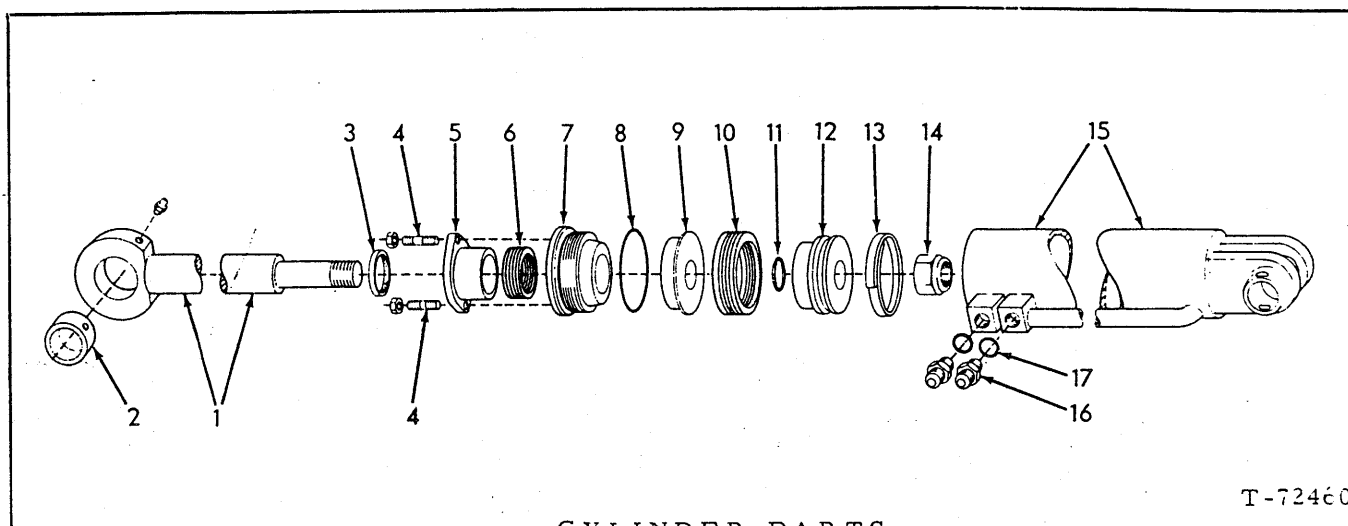
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	CYLINDER ASSY., clam operating, left side (See page 230)
2	-----	1	CYLINDER ASSY., clam operating, right side (See page 230)
3	70654115	2	PIN
4	70652419	2	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
5	70654252	2	PIN
6	70654250	2	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
7	70654118	4	HOSE
	73077671	2	SWIVEL, cylinder connection, upper port
	70919624	2	SWIVEL, cylinder connection, lower port
	70919324	2	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male (valve connection)
	70921268	2	TEE, flare type, 3/4" tube, 3/4"NPT male (valve connection)
8	70654125	4	CLAMP
	70911026	4	NUT, 3/8"NC
	70910287	4	LOCKWASHER, 3/8"
9	73077676	1	VALVE ASSY., relief (Serviced only as a unit)
10	73135395	2	HOSE



### BUCKET HYDRAULICS

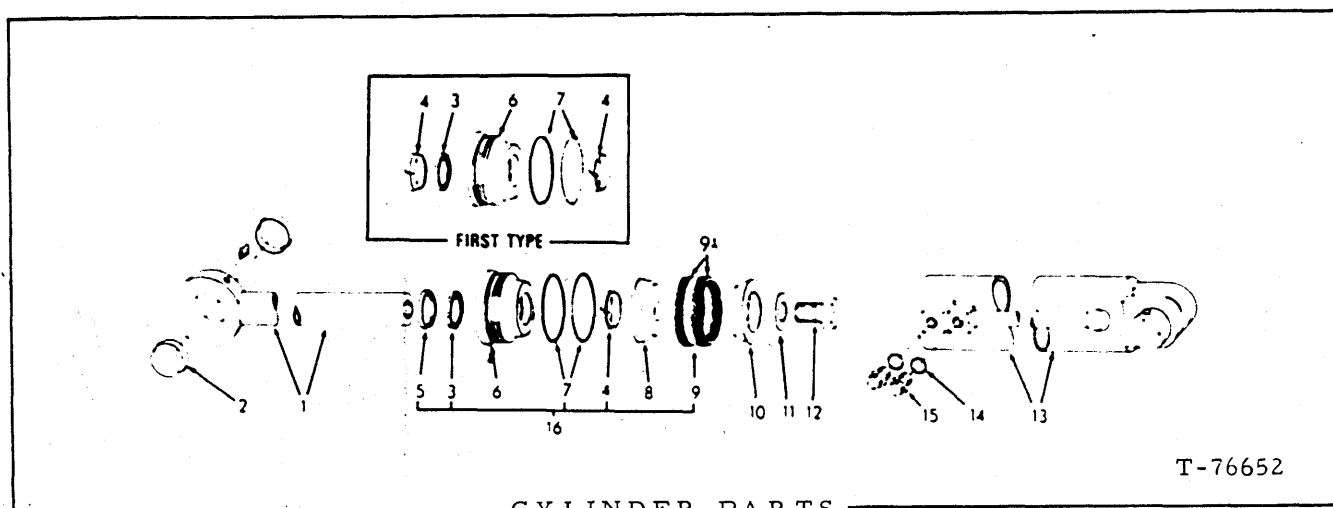
USAGE: Third type. Special equipment. For units with multi-purpose bucket.  
(Standard on some Loaders 33A07947 and up)(Also see pages 228, 229A)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73135371	2	CYLINDER ASSY., clam operating (See item 13)
2	70654115	2	PIN
3	70652419	2	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
4	70654252	2	PIN
5	70654250	2	PIN
6	73135373	1	HOSE, upper left
	70919342	1	CONNECTOR, 3/4" tube, 3/4"NPT (at valve)
7	73135374	1	HOSE, lower left
	70921268	1	TEE, 3/4" tube, 3/4"NPT male
8	73135375	1	HOSE, upper right
	70921268	1	TEE, 3/4" tube, 3/4"NPT male
9	73135376	1	HOSE, lower right
	70919342	1	CONNECTOR, 3/4" tube, 3/4"NPT (at valve)
10	70654125	4	CLAMP
	70911026	4	NUT, 3/8"NC
	70910287	4	LOCKWASHER, 3/8"
11	73077676	1	VALVE ASSY., relief (Serviced only as a unit)
	70933672	2	NUT
12	73135395	2	HOSE
13	73135372	4	ADAPTER, hose (at cylinder)
14	73135370	1	SEAL KIT, cylinder repair



USAGE: Special Equipment - Multi-Purpose Bucket - First Type

ITEM	PART NO.	QTY.	DESCRIPTION
-	{ 70654135	1	CYLINDER ASSY., clam, left (Includes items 1 thru 15)
	70654136	1	CYLINDER ASSY., clam, right (Includes items 1 thru 15)
1	70654146	2	ROD ASSY., piston (Includes item 2)
	70914465	2	FITTING, lubricating, straight, 1/8" NPT
2	70654170	2	BUSHING
3	70654145	2	SEAL
4	70654155	4	STUD
	70913528	4	NUT, self-locking, 3/8" NF
5	70654137	2	FLANGE
6	70654142	2	PACKING SET
7	70654138	2	HEAD
8	70923818	2	O-RING
9	70654139	2	PISTON
10	70654141	2	PACKING SET
11	70923649	2	O-RING
12	70654140	2	PISTON
13	70654134	2	RING
14	70917776	2	NUT, piston rod, 1-1/4" NF
15	{ 70654143	1	TUBE
	70654144	1	TUBE
16	70923080	4	CONNECTOR, hydraulic line (Includes item 17)
17	70921349	4	O-RING



# CYLINDER PARTS

USAGE: Special equipment - Multi-Purpose Bucket - Second Type

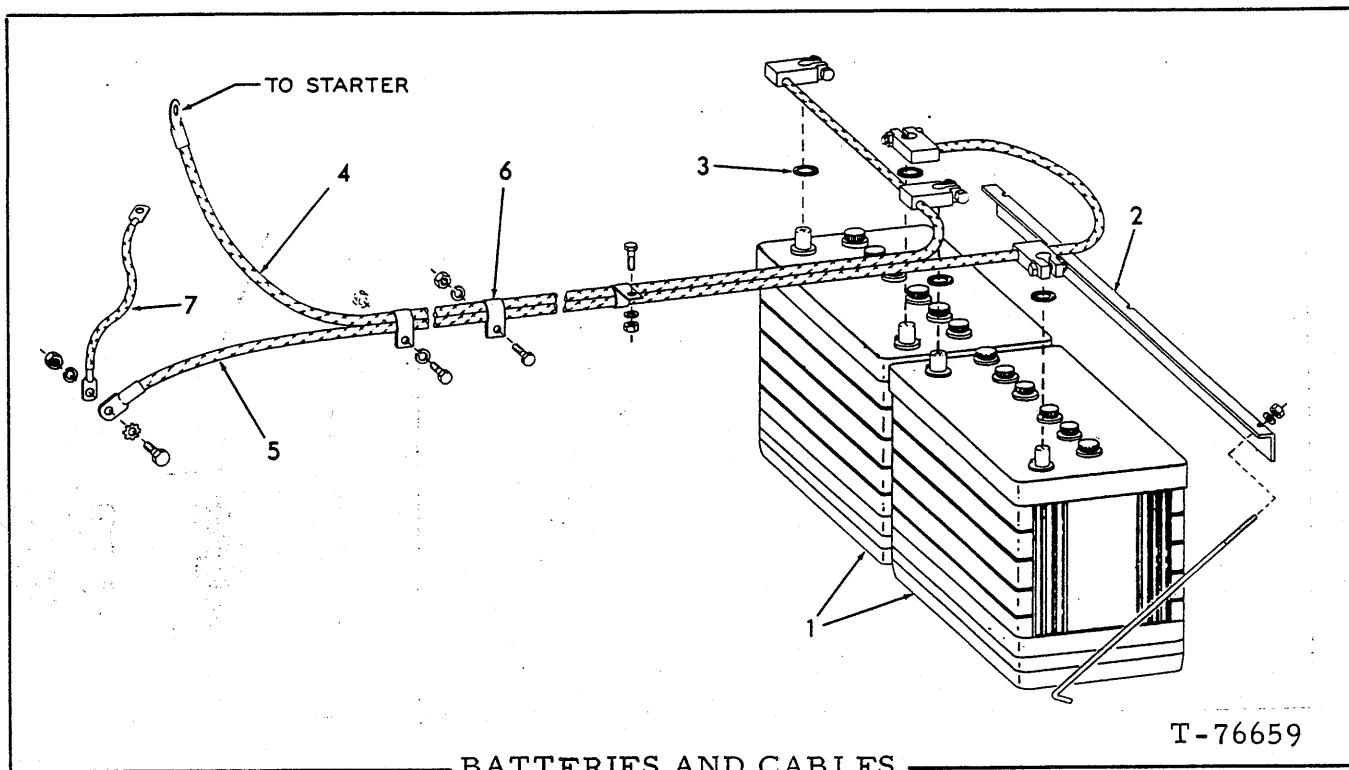
\* First Type

\*\* Second Type

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	

NOTE: Quantities indicated are for one (1) cylinder only.

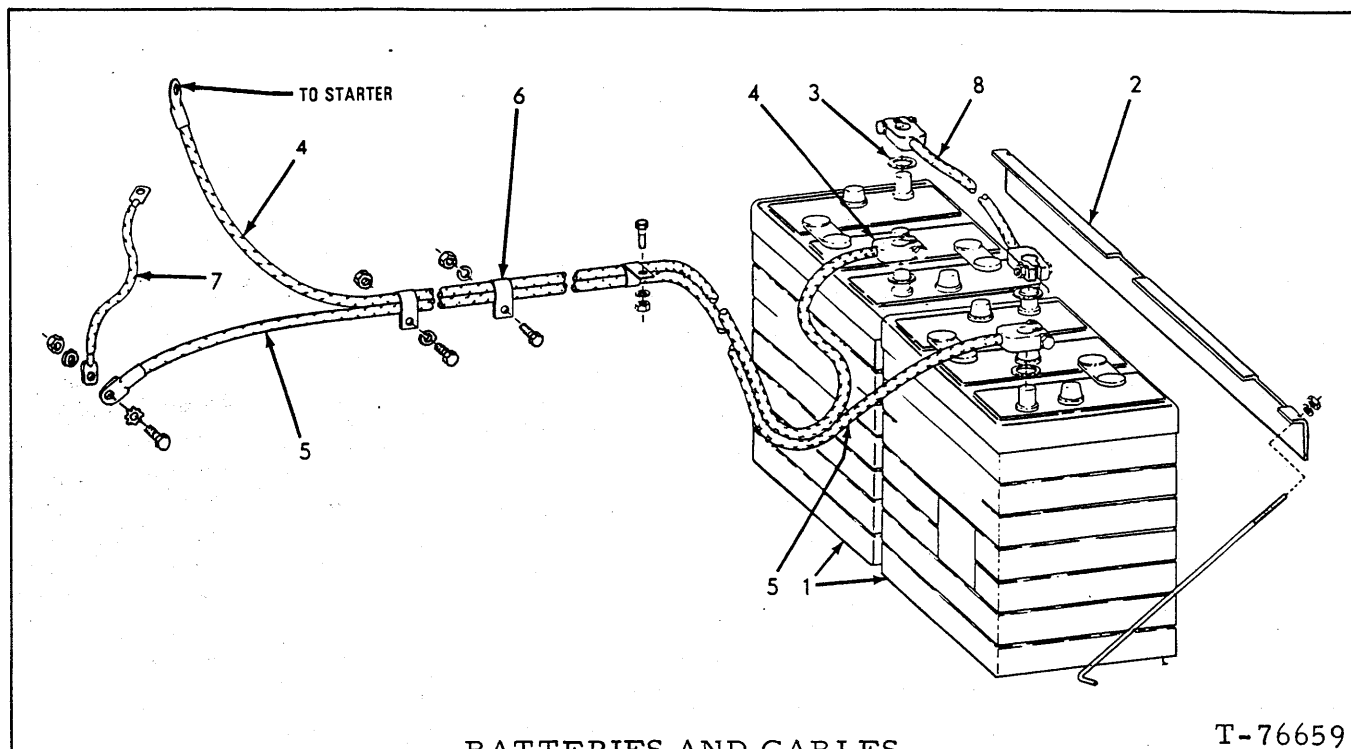
-	{ 70679699	1	1	CYLINDER ASSY., left (Includes items 1 thru 13)
	{ 70679700	1	1	CYLINDER ASSY., right (Includes items 1 thru 13)
1	70680142	1	1	ROD ASSY., piston (Includes item 2)
	70914465	1	1	FITTING, lubrication, 1/8" NPT
2	70682585	2	2	BUSHING
3	70680136	1	-	SEAL
4	70680135	2	1	WIPER
5	70684344	-	1	WIPER
6	70680131	1	1	HEAD
	70900551	1	1	SCREW
7	70680138	1	1	RING
	70923818	1	1	O-RING
8	70680133	1	1	PISTON
9	70680134	1	1	PACKING SET, piston (Includes ring and item 9a)
9a	70684345	2	2	PACKING
10	70680132	1	1	PISTON
11	70928448	1	1	WASHER
12	70928421	1	1	CAPSCREW, 1-1/4" std., x 2-1/2"
13	{ 70680129	1	1	TUBE, left cylinder
	{ 70680130	1	1	TUBE, right cylinder
14	70921349	2	2	O-RING
15	70923080	2	2	CONNECTOR, hydraulic line (Includes item 14)
16	70684400	-	1	REPAIR KIT, cylinder (Consists of items 3, 4, 5, 7 and 9)



USAGE: \* All Loader series excluding 33A

\*\* Loader series 33A only, unit No. 07947 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70695469	2 -	BATTERY, 12 volt, dry charge (Requires 6-3/4 qts. electrolyte per battery)
	73122885	- 2	BATTERY, 12 volt
1a	70243526	1 1	ELECTROLYTE, ("Z" PACK) 6.1 quarts.
	73108135	1 1	ELECTROLYTE, ("F" PACK) 5.0 gallons
1b	70243528	1 1	HOSE, dispenser (for use with "F" PACK)
2	73057572	1 1	PLATE
	73072011	3 3	ROD, special, 1/4"NC (battery hold down)
	70911114	3 3	WASHER, plain, SAE std., 1/4"
	70920397	3 3	NUT, lock, 1/4"NC (zinc plated)
3	73008046	4 4	WASHER
4	73057811	1 -	CABLE
	73077094	- 1	CABLE (side terminal)
5	73057812	1 -	CABLE, battery to ground
	73077102	- 1	CABLE, battery to ground (Side terminal)
	70916271	1 1	CAPSCREW, 3/8"NC x 1"
	70912301	1 1	WASHER, external tooth, 3/8"
	70910287	1 1	LOCKWASHER, 3/8"
	70910324	1 1	NUT, 3/8"NC
6	70928927	3 3	CLAMP
	70916271	3 3	CAPSCREW, 3/8"NC x 1"
	70910287	3 3	LOCKWASHER, 3/8"
	70910324	2 2	NUT, 3/8"NC
7	73016012	1 1	CABLE, ground cable to starter



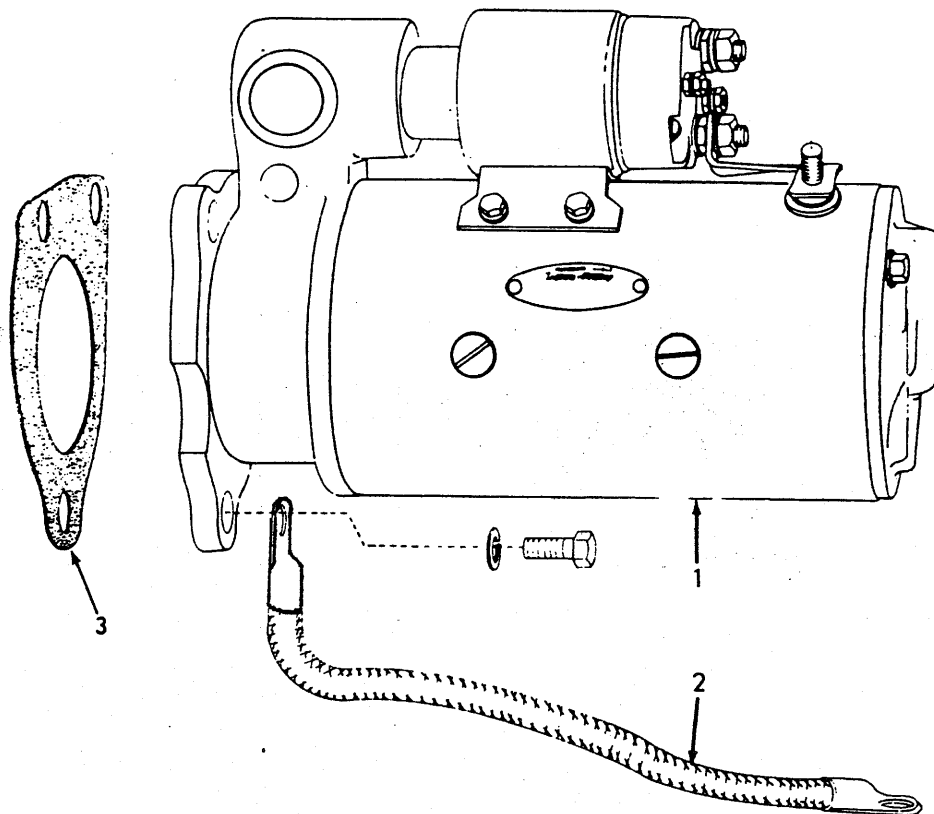
# BATTERIES AND CABLES

T-76659

USAGE: Loader series 33A only prior to unit No. 07947

ITEM	PART NO.	QTY.	DESCRIPTION
1	70695473	2	BATTERY, 6 volt, dry charge (Requires 4.2 qts. electrolyte per battery)
1A	70243526	1	ELECTROLYTE ("Z" PACK) 6.1 quarts
	73108135	1	ELECTROLYTE ("F" PACK) 5.0 gallons
1B	70243528	1	HOSE, dispenser (for use with "F" PACK)
2	73072782	1	BRACKET
	73072011	3	ROD, special, 1/4"NC (battery hold down)
	70911114	3	WASHER, plain, SAE std., 1/4"
	70920397	3	NUT, lock, 1/4"NC (zinc plated)
3	73008046	4	WASHER
4	73072730	1	CABLE
5	73072731	1	CABLE, battery to ground
	70916271	1	CAPSCREW, 3/8"NC x 1"
	70912301	1	WASHER, external tooth, 3/8"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8"NC
6	70928927	3	CLAMP
	70916271	3	CAPSCREW, 3/8"NC x 1"
	70910287	3	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8"NC
7	73016012	1	CABLE, ground cable to starter
8	73072729	1	CABLE

MEMO

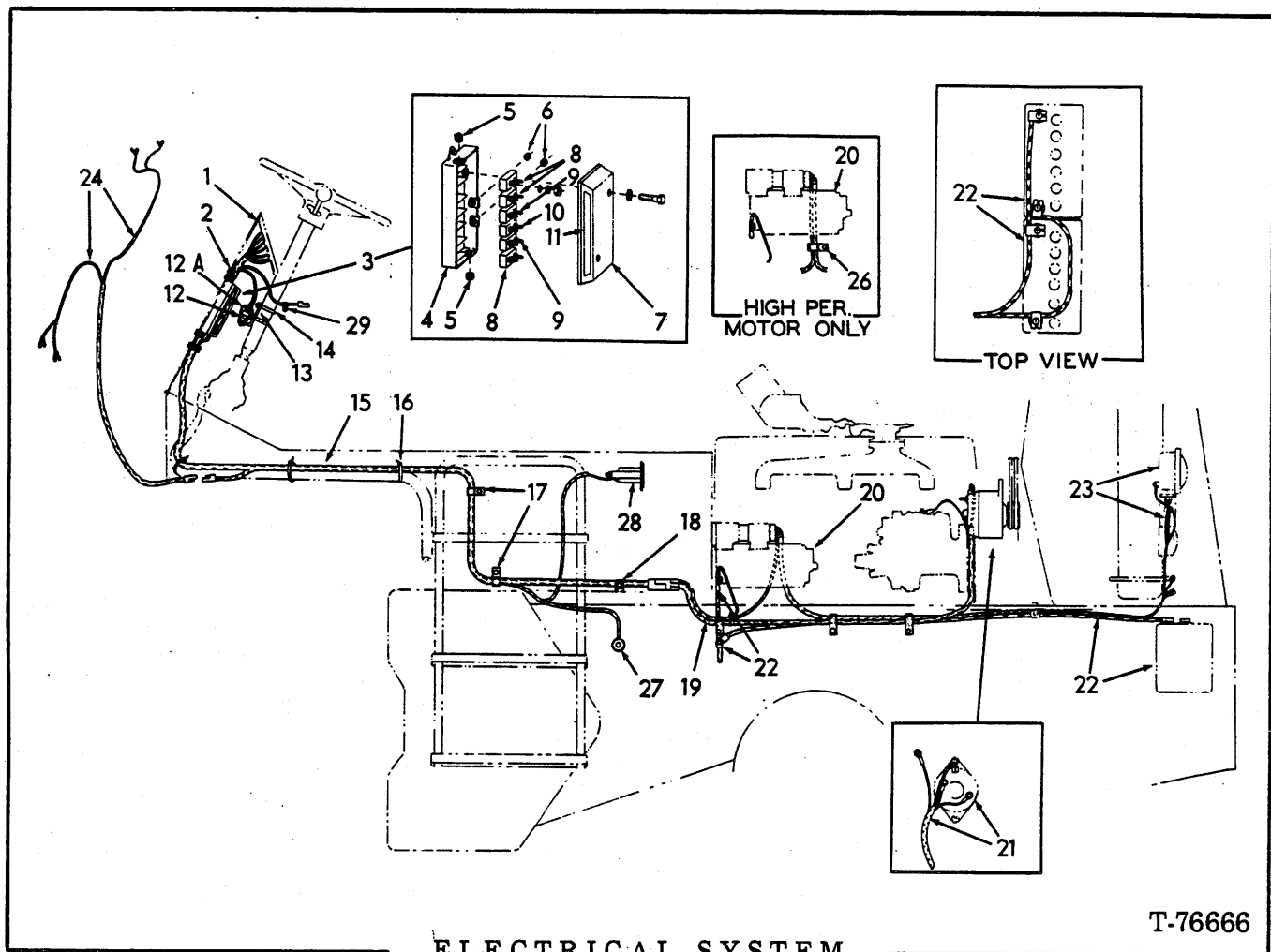


T-70737

# STARTING MOTOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	70242143	1	* MOTOR ASSY. (Std.) (Used prior to loader s/n 21C05830)
	73063468	1	* MOTOR ASSY. (Std.) (Effective with loader s/n 21C05830) also used on all Loader series 21S, 33A)
	73062330	1	* MOTOR ASSY. (Special Equipment - sealed high performance type)
	70916272	3	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	3	LOCKWASHER, 3/8"
2	73016012	1	CABLE, ground
3	73039072	1	GASKET (Effective loader serial no. 21C04377)(10L04460; also used on all Loader series 21S, 33A)
* See Fiat-Allis dealer for parts			





ELECTRICAL SYSTEM

T-76666

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	PANEL, instrument (See page 242)
2	70928623	2	CLIP, harness support
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
3	73057976	1	BOX ASSY. (Includes items 4 thru 10)(12 volt)
	70916285	2	CAPSCREW, 1/4" NC x 1"
	70904204	2	LOCKWASHER, 1/4"
	70916622	2	NUT, 1/4" NC
4	-----	1	BODY (Order item 3)
5	73058528	2	GROMMET
6	73058527	2	GROMMET (Closed)
7	73058651	1	COVER
	70929117	2	SCREW, No. 10 self tapping
	70917365	2	LOCKWASHER, No. 10
8	73134274	3	BREAKER, 8 amp.
	70916880	6	NUT, No. 10
	70922711	6	LOCKWASHER, No. 10 ext. tooth
	70924237	6	WASHER, plain, No. 10

(Continued)

(Revised June 1984)

## ELECTRICAL SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	73058530	2	BREAKER, 25 amp
	70916880	4	NUT, No. 10
	70922711	4	LOCKWASHER, No. 10 ext. tooth
	70924237	4	WASHER, plain, No. 10
10	73134272	1	BREAKER, 15 amp.
	70916880	2	NUT, No. 10
	70922711	2	LOCKWASHER, No. 10, ext. tooth
	70924237	2	WASHER, plain, No. 10
11	73058036	1	DECAL
12	73057506	1	SWITCH, starting, safety (Includes mounting nuts)
12a	73061193	1	BOOT
13	73057402	1	BRACKET
14	73050321	2	U-BOLT
	70911114	2	WASHER, plain, 1/4"
	70904204	4	LOCKWASHER, 3/8"
	70911040	4	NUT, 3/8" NF
15	73066475	1	HARNESS(Used prior to unit no. 21C06117, 10L04650)
	73070492	1	HARNESS(Effective with unit no. 21C06117, 10L04650; also used on all Loader series 21S, 33A)
16	70925094	14	CLIP
17	70926049	2	CLIP
	70916272	2	CAPSCREW, 3/8" NC x 1- 1/4"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
18	73058655	1	CLIP
	70916271	1	CAPSCREW, 3/8" NC x 1"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8"
19	-----	1	HARNESS, rear (See page 236)
20	-----	-	STARTER(See page 233)
21	-----	-	ALTERNATOR(See page 245)
	70921880	1	LOCKWASHER, 1/4"
	70917376	1	NUT, No. 12 NC
	70904205	1	LOCKWASHER, 5/16"
	70915809	1	CAPSCREW, 5/16" NC x 3/4"
22	-----	-	CABLE (See page 228)
23	-----	-	HARNESS, rear (See page 236)
24	-----	-	HARNESS, front (See page 236)
25	-----	-	SWITCH, tail light (See page 132)(Not illustrated)
26	70927445	1	CLAMP (Used with std. motor, effective with unit no. 05830, and high performance motor; also used on all Loader series 21S, 33A)
	70915408	1	CAPSCREW, 3/8" NC x 3/4"
	70910287	1	LOCKWASHER, 3/8"
27	73066429	1	SWITCH, back-up alarm (See page 236 for horn)
	70904230	1	ELBOW, 45o street, 1/8" pipe
28	70691930	1	METER, hour (Effective with Loader s/n 21C06117, 10L04650; also used on all Loader series 21S, 33A)(See page 16 for mechanical hour meter)
29	70926917	1	CLIP, cab harness
	70916271	1	CAPSCREW, 3/8" NC x 1"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC

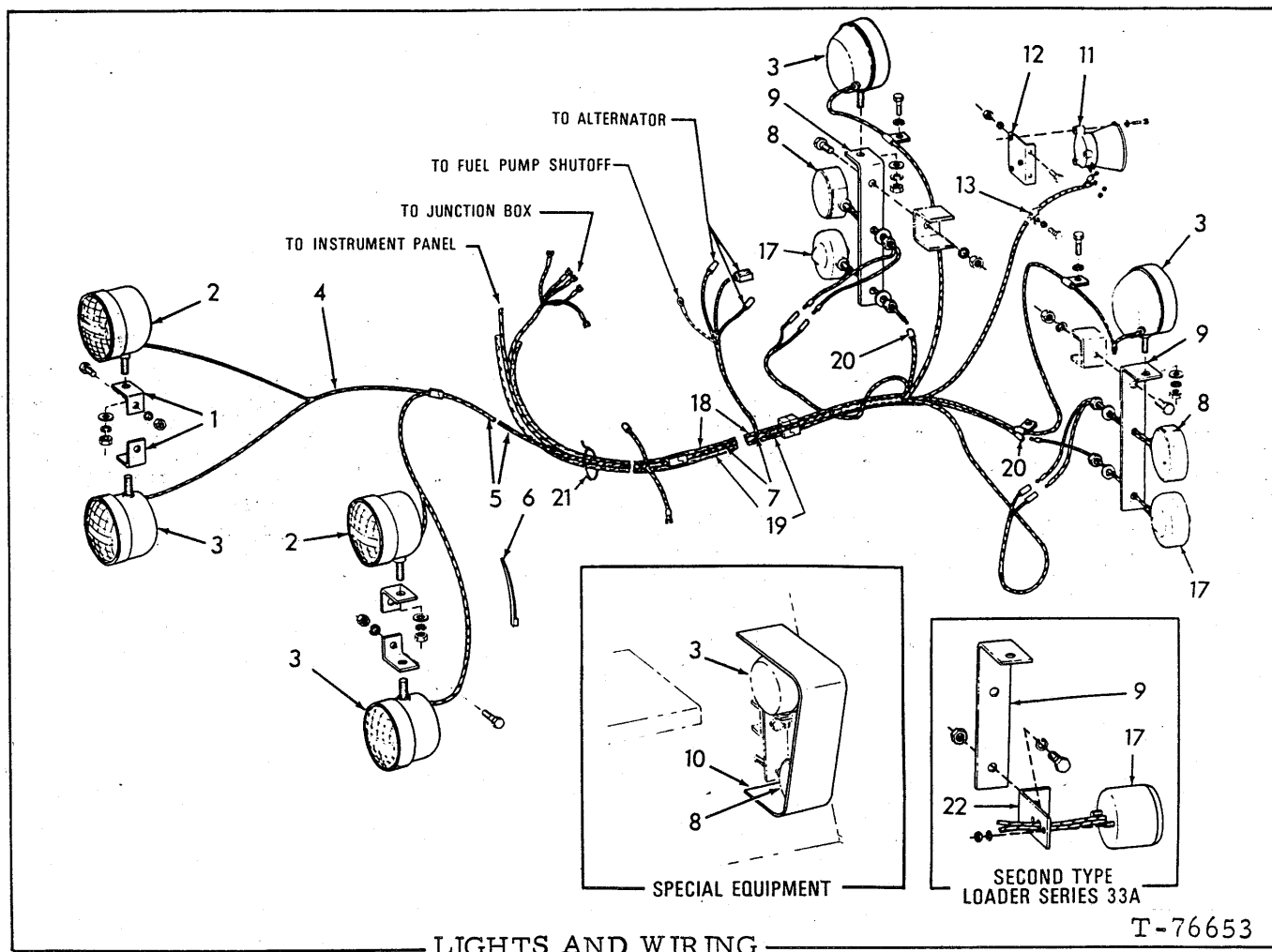
(Continued)

## ELECTRICAL SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
30	73067417	1	KIT, hour meter (Includes items 15, 28, 31, 32, 33, and 12 and 13 on page 243(For use with service replacement engines not having mechanical hour meter effective with Loader s/n 21C04201-21C06113 and 10L04201-10L04649)
31	73065921	1	PLATE, hour meter mounting
32	73067410	1	INSTALLATION INSTRUCTION
33	73066469	1	HARNESS

} Not Illustrated

MEMO



USAGE: \* Standard

\*\* Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	73052615	4 -	BRACKET
	70912441	2 -	LOCKWASHER, 1/2"
	70910325	2 -	NUT, 1/2" NC
	70915987	2 -	CAPSCREW, 1/2 NC x 1-1/2"
2	73046565	2 -	LIGHT ASSY., head (See page 235)
	70900703	2 -	WASHER, plain. 1/2"
	70912441	2 -	LOCKWASHER, 1/2"
	70910195	2 -	NUT, 1/2" NF
3	70621854	2 2	LIGHT ASSY., flood (2 standard for rear)( 2 special equipment for front)( See page 239)
	70900703	2 2	WASHER, plain, 1/2" (not required with front floods)
	70913441	2 2	LOCKWASHER, 1/2"
	70910195	2 2	NUT, 1/2" NF
	73044067	- 4	BOSS (Required with front floods)
4	73058078	1 -	HARNES
5	-----	- -	HARNES, front (See page 234)

(Continued)

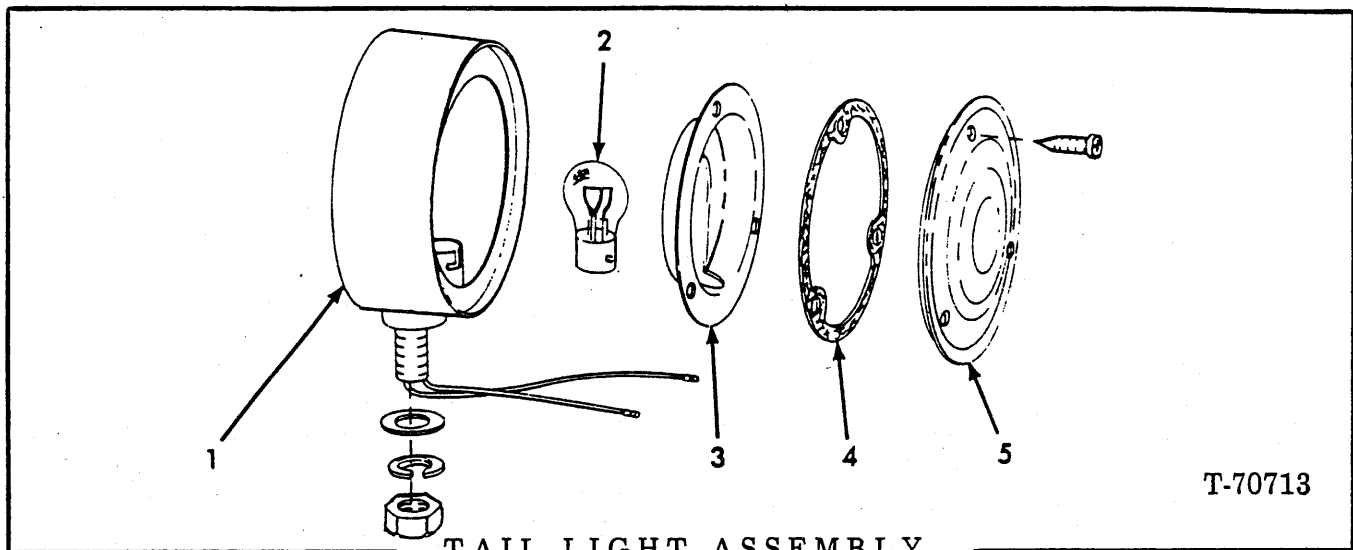
(Revised April 1981)

# LIGHTS AND WIRING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
6	70925094	2 4	CLIP
7	73070491	1 -	HARNESS
	70927156	3 -	CLIP, harness support (attached to radiator bottom tank)
	70910323	3 -	NUT, 5/16"NC
8	73044502	2 -	LIGHT ASSY., tail/stop (See page 238)(See page 132 for switch)
9	73058587	2 -	BRACKET (Not for Loader series 33A)
	73070103	2 -	BRACKET (For Loader series 33A only)
	70915987	2 -	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	2 -	LOCKWASHER, 1/2"
	70910325	2 -	NUT, 1/2"NC
10	73058748	- 2	GUARD, rear lights (Special equipment)(Installation requires welding)
11	70699053	1 -	HORN, back-up
	70918237	3 -	CAPSCREW, 1/4"NC x 1-1/4"
	70911114	3 -	WASHER, plain, 1/4"
12	73066233	1 -	PLATE ASSY. (Includes NUTSERTS indented below)
	70915987	2 -	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	2 -	LOCKWASHER, 1/2"
	70910325	2 -	NUT, 1/2"NC
	73054504	3 -	NUTSERT
13	70932778	1 -	CLAMP
	70916270	1 -	CAPSCREW, 3/8"NC x 1/2"
	70910287	1 -	LOCKWASHER, 3/8"
14	-----	- -	CHANNEL, rubber, 4" (in radiator support - not shown)(refer to item 16)
15	70925425	2 -	GROMMET, front wiring in frame assy. (not shown)
16	73048123	- -	CHANNEL (25' length - use as required)
17	-----	2 -	ΔLIGHT ASSY., turn signal (See page 247b)
	70248111	2 -	WASHER, rubber
	70915746	2 -	NUT, lock, 1/2"NF
	73077530	1 -	ΔΔLIGHT ASSY., left (with license lens)
	73077531	1 -	ΔΔLIGHT ASSY., right (without license lens)
	70904204	4 -	LOCKWASHER, 1/4"
	70910880	4 -	NUT, 1/4"NC
18	73072899	1 -	WIRE ASSY. (to right turn signal light, rear)
19	73072900	1 -	WIRE ASSY. (to left turn signal light, rear)
20	73052008	2 -	TERMINAL
21	70925094	20 -	TIE, self locking (Use as required)
22	73077532	2 -	ΔBRACKET
	70927158	2 -	CAPSCREW, 1/2"NC x 1"
	70928188	2 -	WASHER

For  
Loader  
series  
33A  
only

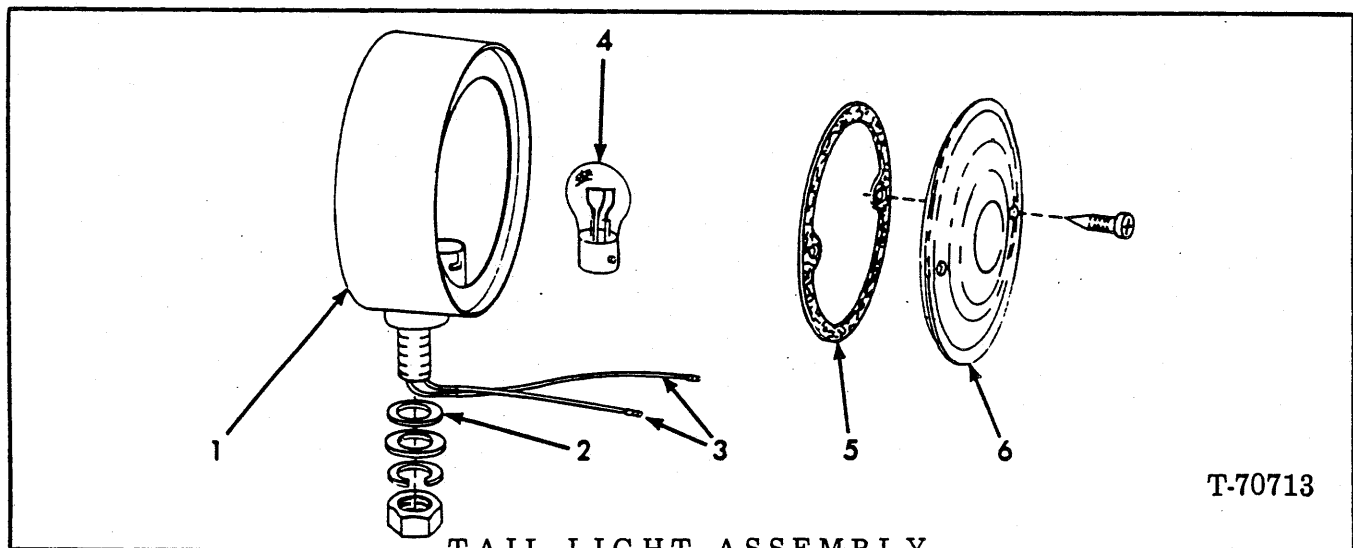
ΔPrior to Loaders S/N 33A07947  
ΔΔLoaders S/N 33A07947 and up



TAIL LIGHT ASSEMBLY

USAGE: First Type — Uses 3 Lens Mounting Screws.

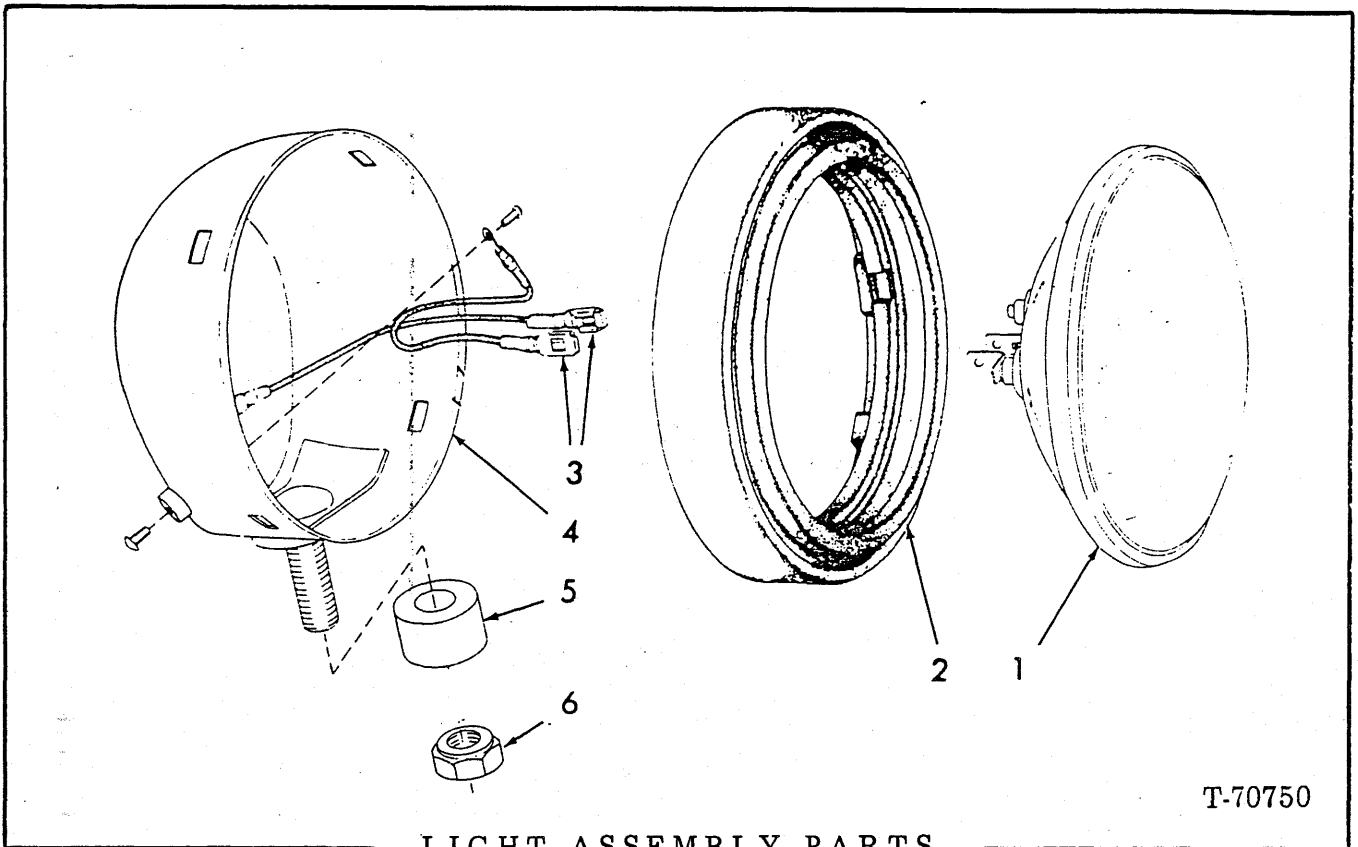
ITEM	PART NO.	QTY.	DESCRIPTION	
-	-----	1	LIGHT ASSY.	} (Order Second Type LIGHT ASSY.)
1	-----	1	BODY ASSY.	
2	70928348	1	BULB, 12 volt	
3	73036242	1	REFLECTOR	
4	73036241	1	GASKET	
5	73036240	1	LENS	



TAIL LIGHT ASSEMBLY

USAGE: Second Type — Uses 2 Lens Mounting Screws

ITEM	PART NO.	QTY.	DESCRIPTION
-	73069237	1	LIGHT ASSY. (Includes items 1 thru 6)
	70906985	1	WASHER, 7/16"
	70914678	1	LOCKWASHER, 7/16"
	70912201	1	NUT, 7/16" NC
1	-----	1	BODY (Order LIGHT ASSY.)
2	73069241	1	PAD
3	73069240	1	WIRE ASSY. (Includes terminals)
4	70928348	1	BULB, 12 volt
5	73069196	1	GASKET
6	73069239	1	LENS

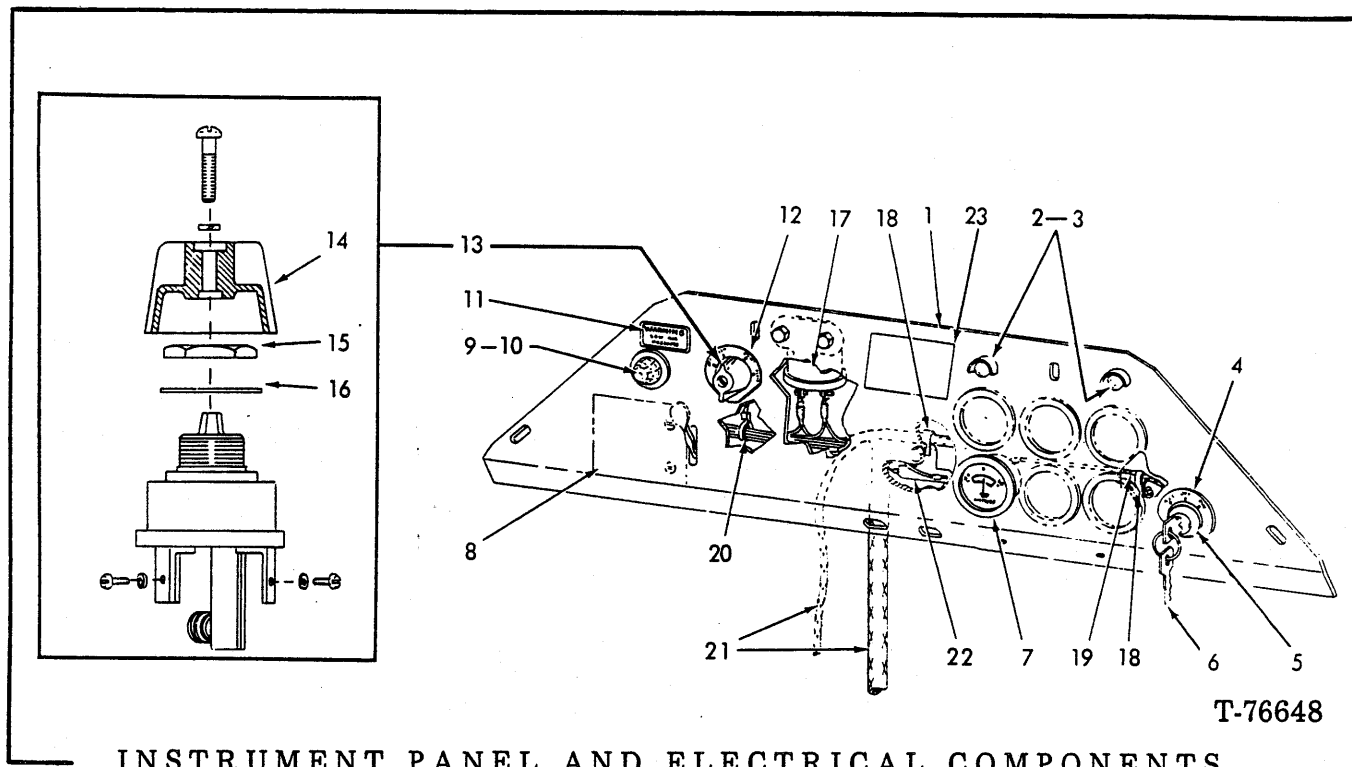


USAGE: See pages 236 and 250.

NOTE: Quantity shown is for one LIGHT ASSY.

ITEM	PART NO.	QUANTITY	DESCRIPTION
-	{ 73046565	1 - -	LIGHT ASSY., head } (Includes items 1 thru 4)
	70621854	- 1 -	LIGHT ASSY., flood }
	71006399	- - 1	LIGHT ASSY., flood (ROPS CAB and CANOPY - Special Equipment) (Includes items 1, 2, 4, 5 and 6)
1	{ 73046748	1 - -	SEALED BEAM (12 volt)
	70621853	- 1 -	SEALED BEAM (12 volt)
	73020947	- - 1	SEALED BEAM (12 volt)
2	{ 70621428	1 1 -	RETAINER, rubber
	70621821	- - 1	RETAINER, rubber
3	70621724	2 2 -	CABLE, sealed beam (Includes terminals)
	70912731	1 1 -	SCREW, machine, No. 8 NC x 5/16"
4	{ -----	- - 1	SHELL ASSY. } (Order complete LIGHT ASSY.)
	-----	1 1 -	BODY ASSY. }
	70912731	1 1 -	SCREW, machine, No. 8 NC x 5/16"
5	71006992	- - 1	PIVOT
6	70914487	- - 1	LOCKNUT, 1/2"NF





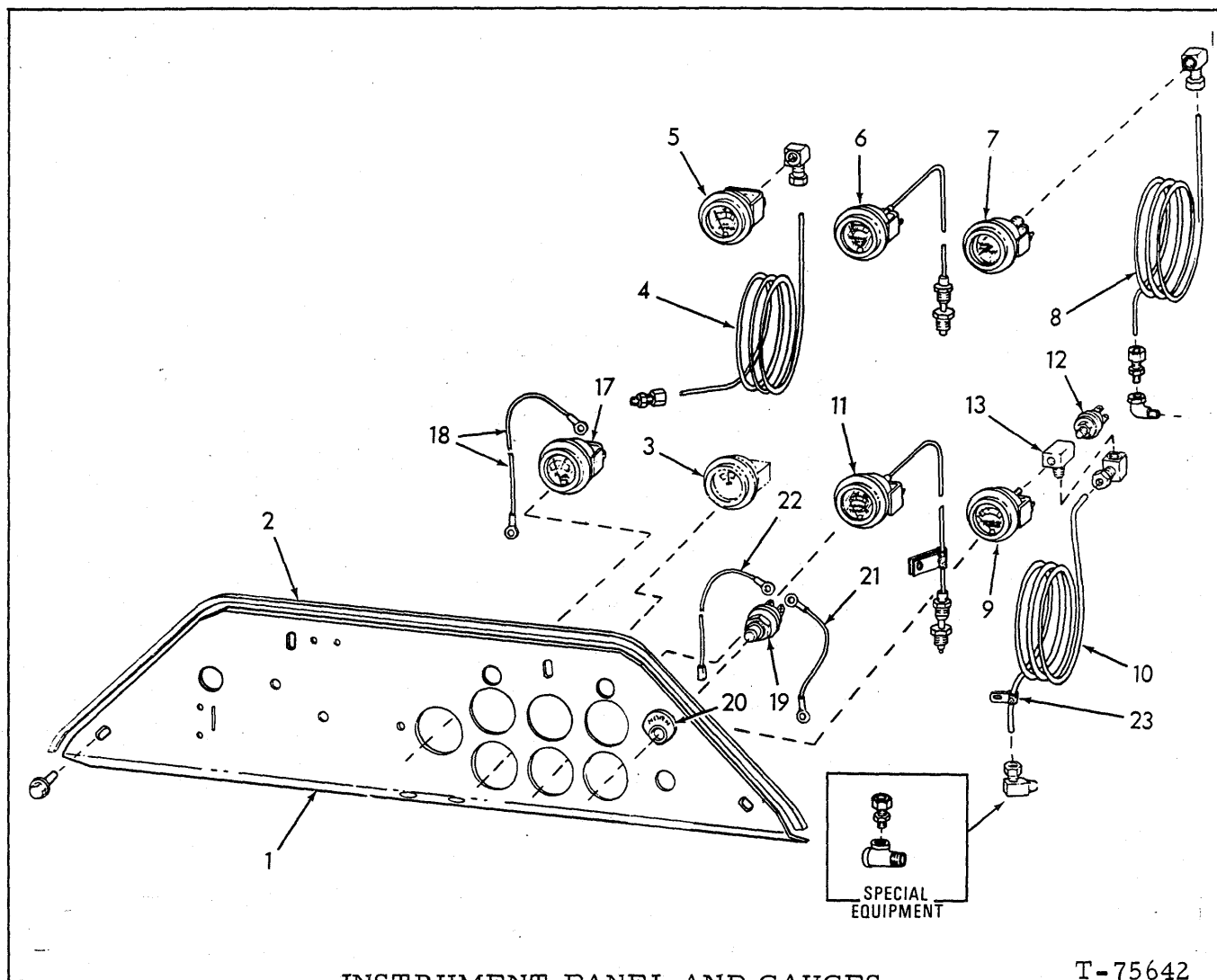
# INSTRUMENT PANEL AND ELECTRICAL COMPONENTS

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	PANEL, instrument (See page 242)
2	73023024	2	LIGHT ASSY. (Includes item 3)
3	73046487	2	LAMP (12v.)
	73037183	2	SHIELD
4	73067618	1	PLATE, key switch
5	73058073	1	SWITCH (Includes hardware indented below and item 6)
	70917365	3	LOCKWASHER, No. 10
	70917415	3	NUT, No. 10
6	70231713	2	KEY
7	73064081	1	AMMETER ASSY. (Not for Loader series 33A)
	70695983	1	AMMETER ASSY. (For Loader series 33A only)
8	-----	-	VALVE ASSY. (See page 140)
9	73034558	1	LIGHT ASSY. (includes LENS indented below but not item 10)
	73044614	1	LENS
10	70928606	1	LAMP (12v.)
11	73066551	1	DECAL, warning light
12	73057505	1	PLATE, light switch
13	73057959	1	SWITCH (Includes hardware indented below and items 14, 15 and 16)
	70917393	5	SCREW, No. 8 NC x 3/8"
	70917395	5	LOCKWASHER, No. 8
	73058917	1	KNOB
	70928595	1	SCREW, No. 8 NC x 5/8"
15	73058919	1	NUT
16	70922088	1	WASHER
17	73057951	1	BUZZER
	70923341	2	CAPSCREW, 1/4" NC x 3/4"
	70916964	2	LOCKWASHER, 1/4"
	70916622	2	NUT, 1/4" NC

(Continued)

# INSTRUMENT PANEL AND ELECTRICAL COMPONENTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	73058052	2	CLIP (qty. 3 used without ROPS)
	-----	1	SCREW, No. 10 NF x 5/8" (Order 70922708)
	70922708	1	SCREW, No. 10 NF x 1-1/4"
	70917365	1	LOCKWASHER, No. 10
	70917415	1	NUT, No. 10 NF
19	73057436	1	WIRE ASSY. (switch to ammeter)
20	70925094	1	CLIP, wire harness support (qty. 2 used without ROPS)
21	-----	-	HARNESS (See page 234)
22	73057441	1	RESISTOR (Includes indented items)(Attached by existing hardware)
	70913532	2	SCREW, No. 7 x 1/2"
	70917459	2	LOCKWASHER, No. 6
	70924606	2	NUT, No. 6 (speed-nut)
23	73107895	1	DECAL, do not start



INSTRUMENT PANEL AND GAUGES

T-75642

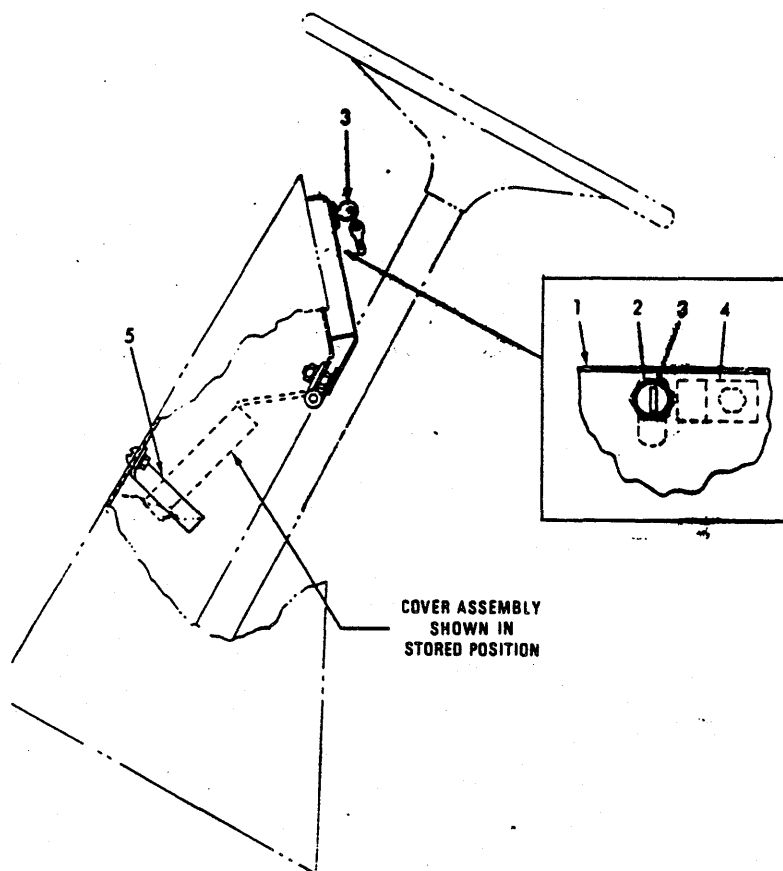
ITEM	PART NO.	QTY.	DESCRIPTION
1	73057504	1	PANEL (Not for Loader series 33A)
	73072726	1	PANEL (For Loader series 33A only)
	70923683	4	CAPSCREW, 3/8" NC x 2/4" (self-tapping)
	70921113	1	PLUG, 11/16" button, snap-in
	70926908	1	PLUG, 7/16" button, snap-in
2	-----	1	TRIM, plastic (refer to item 15)
3	-----	-	AMMETER (See page 240)
4	73058572	1	TUBE, junction box (air) to gauge
	70925093	1	ELBOW, compression, 3/16" tube, 3/8" NPT female
	70928474	1	ELBOW, compression, 3/16" tube, 1/8" NPT male
	70901834	1	BUSHING, 1/4" to 1/8" NPT
5	70697266	1	GAUGE ASSY., air pressure
6	73070829	1	GAUGE ASSY., transmission temperature
7	73064070	1	GAUGE ASSY., transmission clutch pressure

(continued)

# INSTRUMENT PANEL AND GAUGES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	73048711	1	TUBE, transmission to pressure gauge
	70925093	1	ELBOW, compression, 3/16" tube, 3/8" NPT female
	70925161	1	CONNECTOR, compression, 3/16" tube, 3/8" NPT male
	70907059	1	ELBOW, 90°, 3/8" female to 1/8" male NPT
9	70691745	1	GAUGE ASSY., engine oil pressure
10	-----	1	TUBE, 145" (Refer to item 16)
	70928800	1	ELBOW, compression type, 1/4" tube, 1/8" NPT(gauge end)
	70928923	1	ELBOW, compression type, 1/4" tube, 1/8" NPT female (Std.)(Not for loaders equipped with WARNING SYSTEM)
	70918960	1	TEE, 1/8" NPT
	70928799	1	CONNECTOR, male, 1/4" tube, 7/16" str. thd. } See note below
11	73064082	1	GAUGE ASSY., engine temperature
	70926907	2	CLIP (mounts with existing hardware)
12	73066487	1	SWITCH(Used with electric hourmeter)(See page 234 for HARNES)
13	70920992	1	TEE, 1/8" pipe
14	73065887	1	STICKER, engine starting/stopping instruction (not shown)
15	73050105	-	TRIM (25' length - use as required)
16	73067681	-	TUBE (100' length - use as required)
17	73071689	1	GAUGE ASSY., fuel
18	73072724	1	WIRE ASSY.
19	70183714	1	SWITCH, horn
20	73067154	1	PLATE, horn
21	73072723	1	WIRE ASSY.
22	70671708	1	WIRE ASSY. (to horn)
23	70925616	1	CLAMP

NOTE: (Special Equipment)(Used on loaders equipped  
with WARNING SYSTEM) See page 247a.



COVER ASSEMBLY  
SHOWN IN  
STORED POSITION

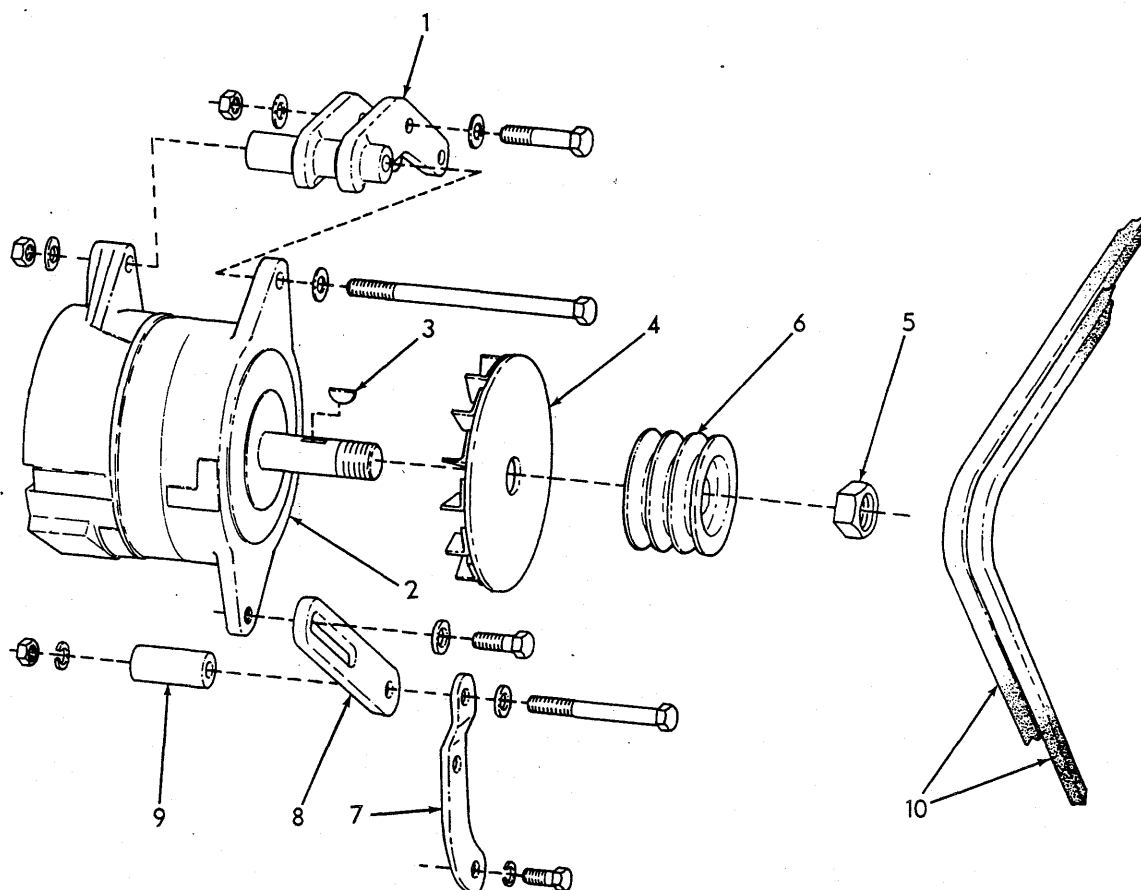
T-76638

# INSTRUMENT PANEL COVER (Vandalism Protection)

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057512	1	COVER ASSY. (Serviced only as a unit)
	70916284	3	CAPSCREW, 1/4" NC x 1/2"
	70916622	3	NUT, 1/4" NC
	70904204	3	LOCKWASHER, 1/4"
2	73058015	1	LOCK ASSY. (Includes item 3)
3	73058910	1	KEY
4	73057642	1	TAB
5	73058056	1	STRIP (cover support for storing)
	70916079	2	SCREW, No. 10 NC x 3/8"
	70901310	2	NUT, No. 10 NC
	70904203	2	LOCKWASHER, No. 10



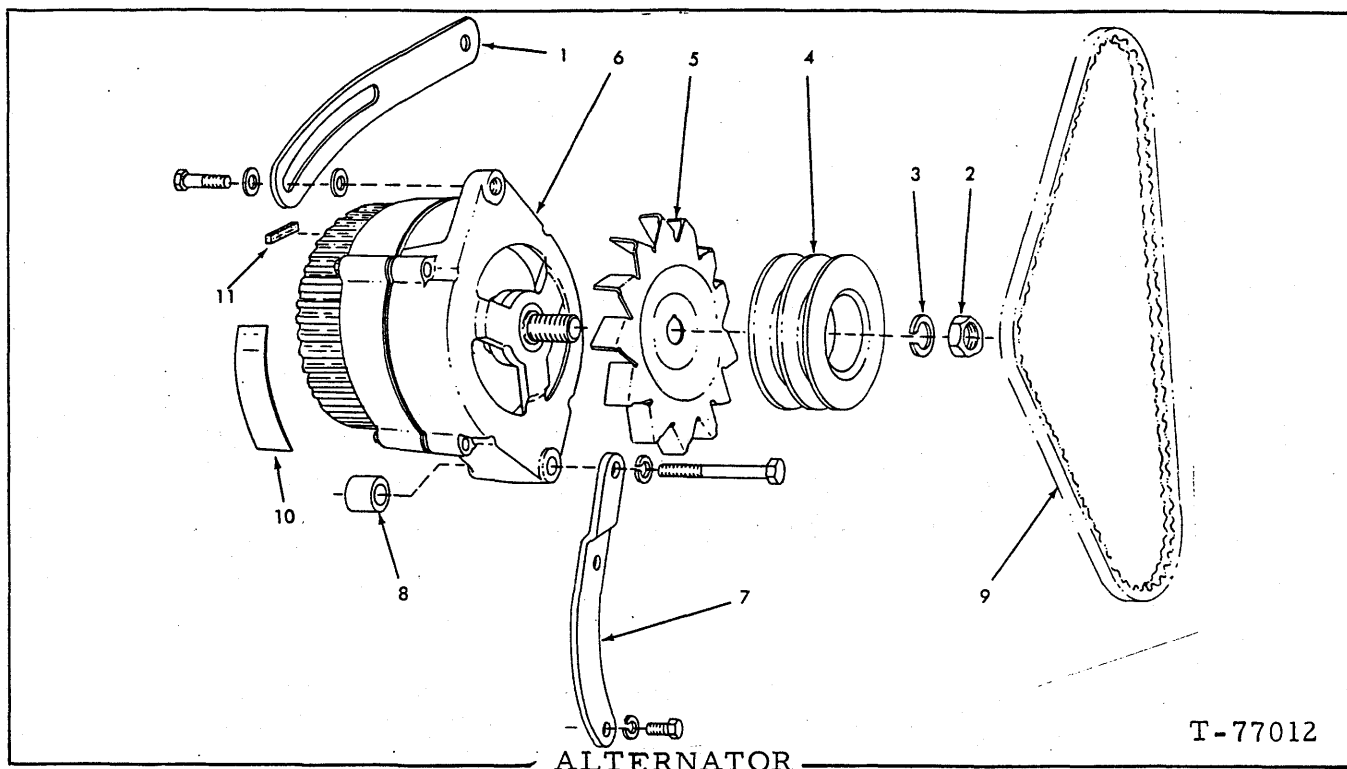


ALTERNATOR

T-80522

USAGE: Loader series 33A only

ITEM	PART NO.	QTY.	DESCRIPTION
1	73072758	1	BRACKET ASSY.
	70927174	2	CAPSCREW, 3/8"NC x 2-1/2"
	70677006	4	WASHER, 3/8"
	70933171	2	NUT, 3/8"NC
2	73072732	1	ALTERNATOR (Leece-Neville Part No. A0012500 JB) (Includes items 3 thru 5)
	70927324	1	CAPSCREW, 1/2"NC x 6-1/2"
	70933037	1	NUT, 1/2"NC
	70677008	3	WASHER, 1/2"
	70920582	1	CAPSCREW, 1/2" x 1-1/4"
3	-----	1	KEY
4	-----	1	FAN
5	-----	1	NUT
6	73072764	1	PULLEY
7	74024077	1	BRACKET
	70914392	2	CAPSCREW, 5/16"NC x 1"
	70904205	2	LOCKWASHER, 5/16"
8	73072832	1	STRAP, adjusting
	70919801	1	CAPSCREW, 3/8"NC x 4"
	70910244	1	WASHER, 3/8"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8"NC
9	73072733	1	SPACER
10	-----	-	BELT (See page 60)



USAGE: All Loader series excluding 33A. See page 244B.

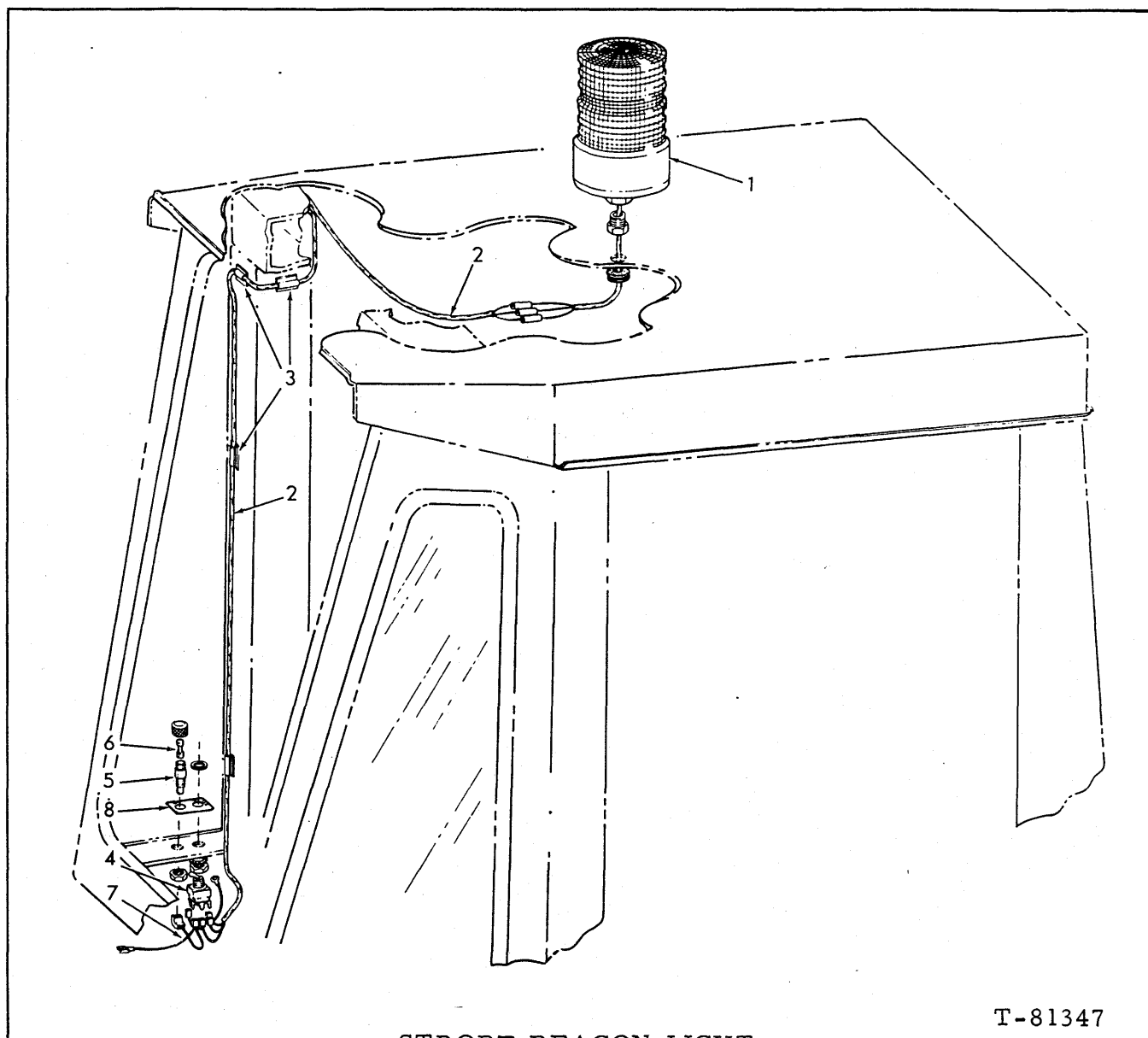
ITEM	PART NO.	QTY.	DESCRIPTION
1	74024075	1	BRACE
2	70231237	1	NUT Included in Alternator
3	70237006	1	LOCKWASHER
4	74024079	1	PULLEY
5	73057632	1	FAN
6	73072295	1	KIT, alternator (Used on Loader series 21C, 10L prior to unit #06870); also used on Loader series 21S prior to unit #05425. (Includes 73117183 Alternator and instruction sheet)
NOTE: For the remaining ITEM 6 (See Electrical Components Parts Catalog for service break-down)			
	73117183	1	ALTERNATOR (Includes integral regulator)(eff. with unit no. 21C06870; also used on Loader series 21S eff. with unit no. 05425)(Delco-Remy #1102921)(See NOTE)
	70915807	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	LOCKWASHER, 5/16"
	70913755	2	WASHER
	70919801	1	CAPSCREW, 3/8"NC x 4"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8"NC
	73125070	1	ALTERNATOR, 61 amps (Special equipment, loader S/N 21C07842 and up if equipped with emergency steering)(Metric mounting hardware and electrical terminals)(Delco-Remy #1103116) (See NOTE)
	70950283	1	CAPSCREW, M8 x 1.25 x 35mm
	70677005	2	WASHER
	70904205	1	LOCKWASHER
	15971830	1	CAPSCREW, M10 x 1.25 x 100mm
	10516870	1	LOCKWASHER, 10m
	12164721	1	NUT 10M x 1.25

(Continued)



# ALTERNATOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	74024077	1	BRACKET
	70914392	2	CAPSCREW, 5/16"NC x 1"
	70904205	2	LOCKWASHER, 5/16"
8	74024076	1	SPACER
9	-----	-	BELT (See page 60)
10	73105127	1	DECAL, alternator
11	73064865	1	BOOT (Fits over field and regulator terminals)(Used on Loader series 21C, 10L effective with unit no. 05876, also used on all Loader series 21S)

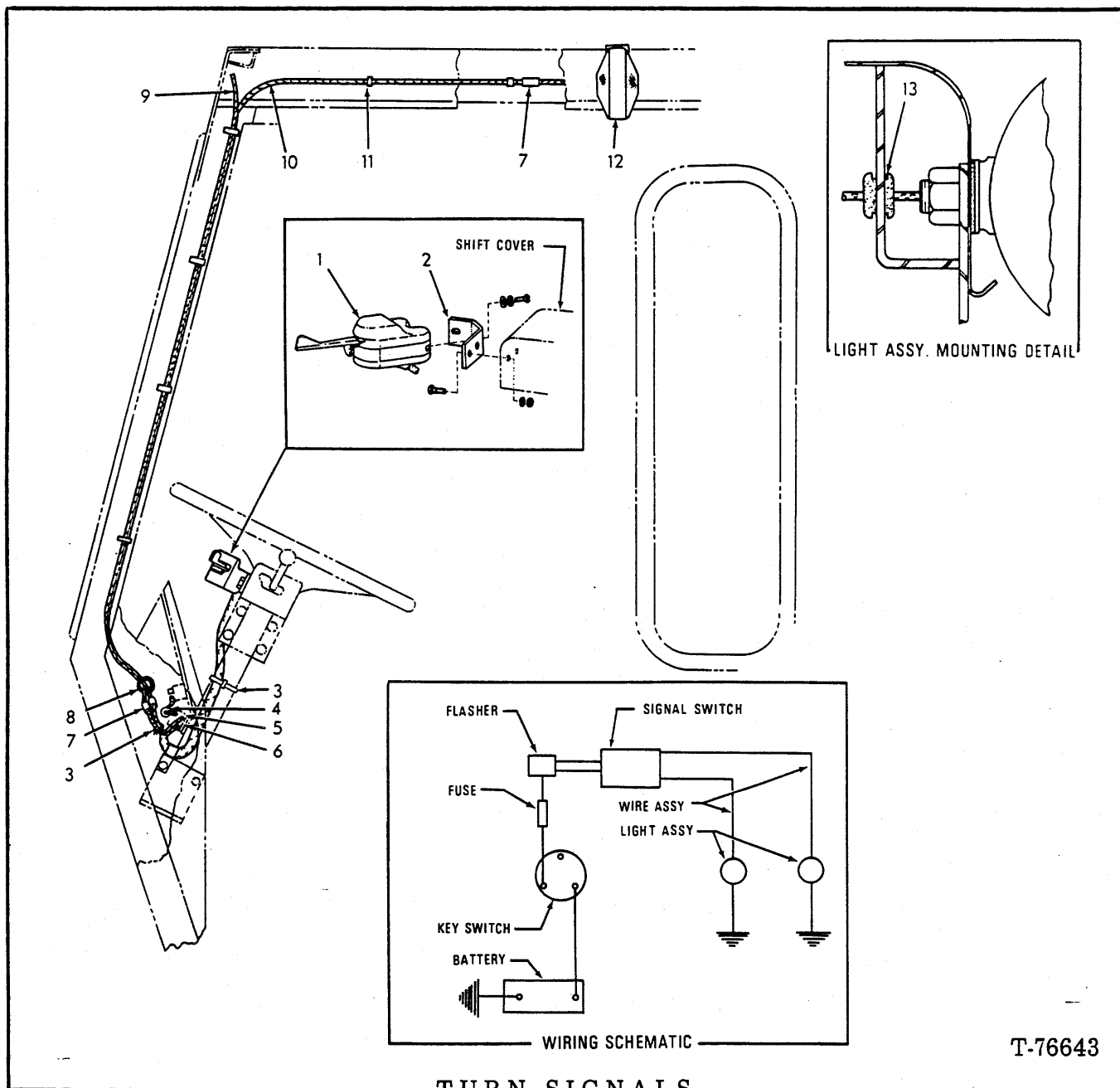


T-81347

# STROBE BEACON LIGHT

USAGE: Loaders series 33A only effective serial No. 33A07947 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73077171	1	LIGHT ASSY. (Serviced only as a unit)
	70920774	1	BUSHING, 1"NPT (Requires welding to Cab roof)
	70927202	1	GROMMET
2	73077312	1	HARNESS
	70928630	3	BUTT SPLICE (Harness to light wires)
3	73077310	6	CLIP
4	73077301	1	SWITCH (Includes hex nut and round nut)
	70920428	1	LOCKWASHER, ext-tooth, 1/2"
5	74791157	1	HOLDER, fuse
6	73059920	1	FUSE, 10 amp
7	73077311	1	WIRE
8	73077302	1	DECAL



### TURN SIGNALS (Cab Mounted)

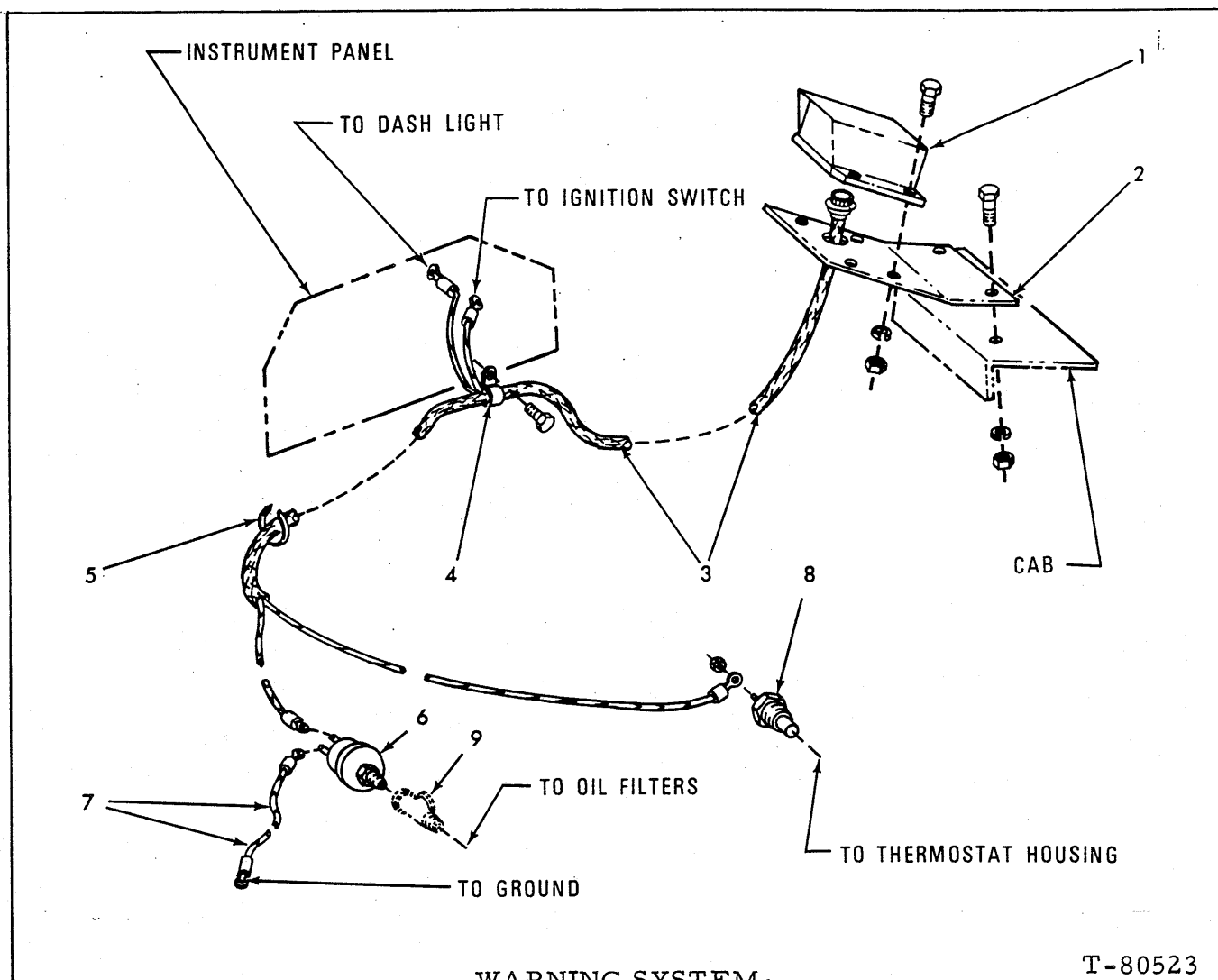
USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73055481	1	SWITCH ASSY. (Includes HARDWARE PARTS KIT and BULB indented below, items 4 and 5, and STRAP)
	73057142	1	HARDWARE PARTS REPLACEMENT
	70917443	2	SCREW, No. 8 NC x 3/4"
	70917395	2	LOCKWASHER, No. 8
	70923906	2	WASHER, plain
	73057144	1	BULB, indicator (12 volt)
	70926919	1	CLIP (Secure harness to steering column)

(Continued)

TURN SIGNALS (Continued)  
(Cab Mounted)

ITEM	PART NO.	QTY.	DESCRIPTION
2	73058298	1	BRACKET
	70923341	2	CAPSCREW, 1/4" NC x 3/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4" NC
3	70925094	2	CLIP
4	73018628	1	FUSE, 14 amp. (between flasher and key switch)
5	73057143	1	FLASHER
6	73055535	1	STRAP, mounting for flasher
	70917452	2	SCREW, No. 10 x 1/2"
	70917415	2	NUT, No. 10
	70917365	2	LOCKWASHER, No. 10
7	73052008	4	TERMINAL
8	73045633	1	GROMMET (In right side of cowl - wiring to turn lights)
9	73055483	1	WIRE ASSY. (to left side turn signal light)
10	73055484	1	WIRE ASSY. (to right side turn signal light)
11	70929135	12	CLIP
12	-----	2	LIGHT ASSY. (See page 247b)
13	70927202	2	GROMMET



WARNING SYSTEM

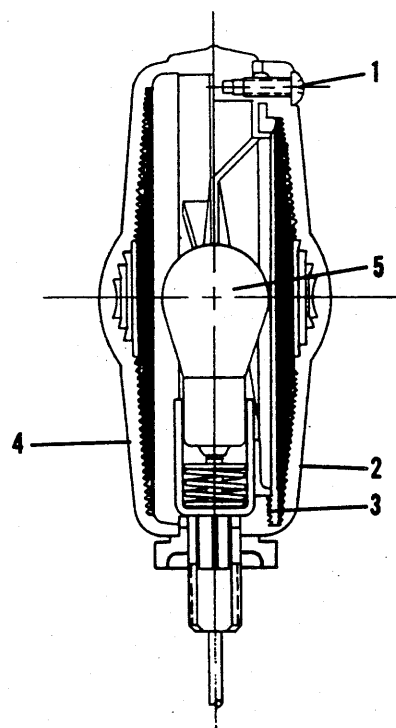
T-80523

(High temperature - Low oil pressure)

USAGE: Special Equipment(Standard on Loader series 33A prior to S/N 33A07947. See page 247C for later design)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73072787	1	ANNUNCIATOR ASSY. (Includes item 3)
	70916285	4	CAPSCREW, 1/4"NC x 1"
	70917730	4	NUT, lock, 1/4"NC
2	73072820	1	PLATE
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70906960	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8"NC
3	-----	-	HARNESS (Not serviced separately)
4	70926919	1	CLAMP
	70916284	1	CAPSCREW, 1/4"NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"
	70916622	1	NUT, 1/4"NC
5	70925094	20	TIE (self locking)(Use as required)
6	-----	1	SWITCH, pressure (See NOTE below)
7	73073032	1	WIRE ASSY., ground
8	-----	1	PROBE, coolant temperature (See NOTE below)
9	-----	1	TEE (See page 242)

NOTE: Items 6 and 8 are not serviced and must be obtained from General Diesel and Electronics, Hibbing, Minnesota, 55746.



T-78822

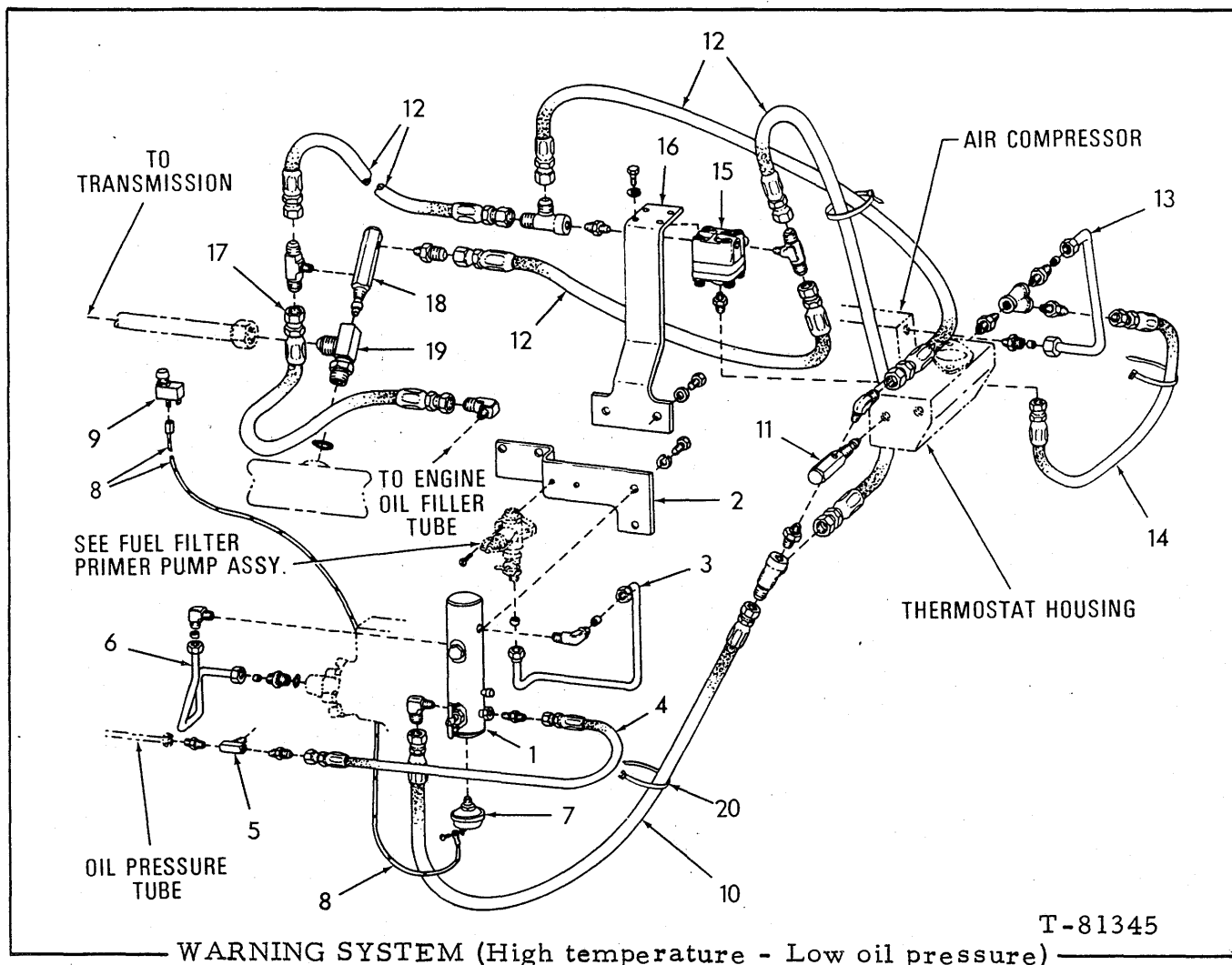
LIGHT ASSEMBLY  
(Warning)

USAGE: (See page 236 and 248)

NOTE: Quantity shown is for one LIGHT ASSY.

ITEM	PART NO.	QTY.	DESCRIPTION
-	71006649	1	LIGHT ASSY., turn signal (Includes items 1 thru 5)
1	70254941	3	SCREW
2	70254939	1	LENS, amber
3	70254940	1	GASKET
4	71006995	1	BODY
5	73056674	1	BULB (12v)
6	70915746	1	NUT, lock, 1/2" NF
	70248111	1	WASHER, rubber

} Not illustrated



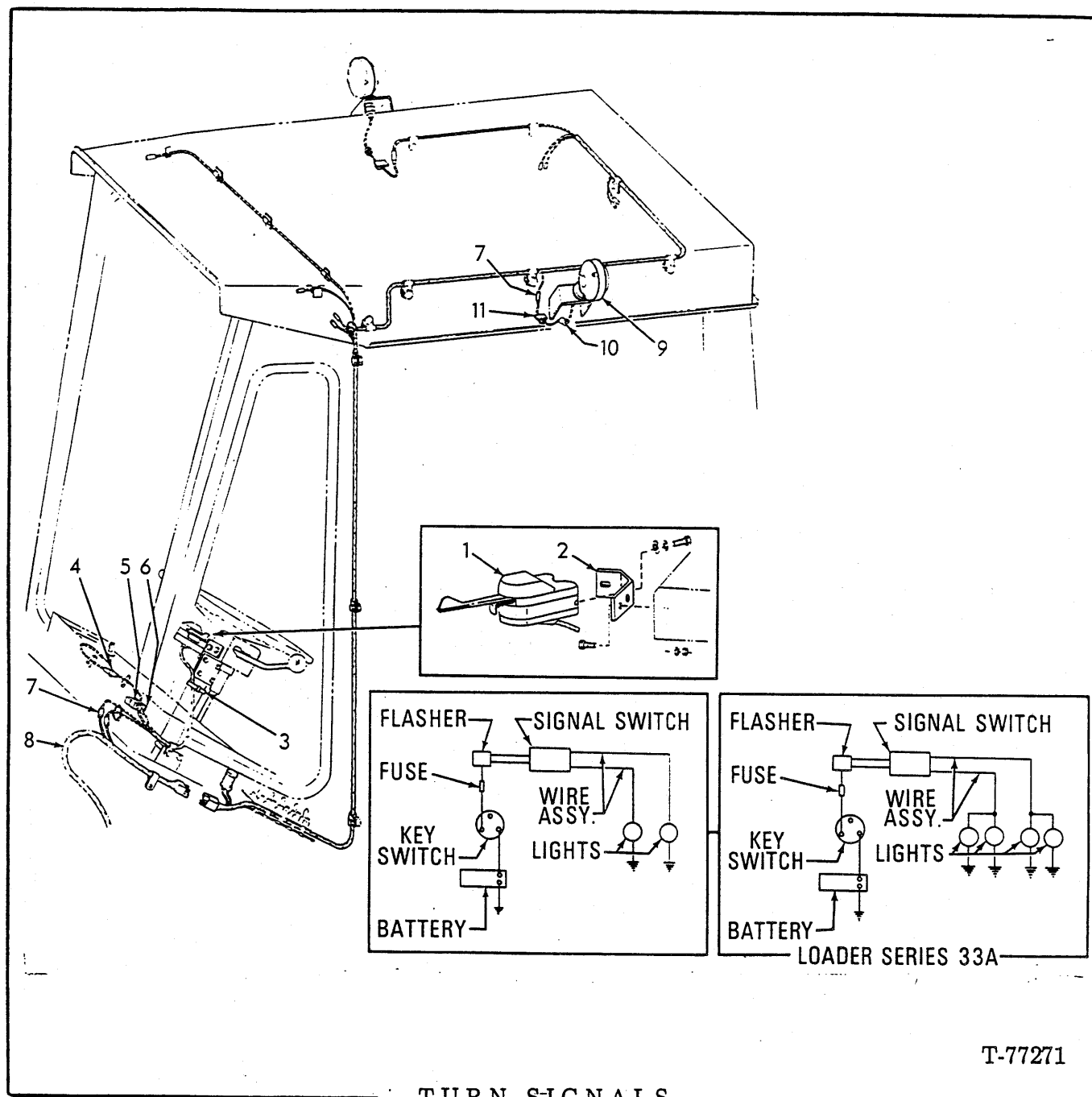
USAGE: Standard on Loader series 33A only, effective serial Number 33A07947 and up. See page 247A for earlier design.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73077146	1	VALVE, master control
	70922300	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
2	73077162	1	BRACKET
3	73077132	1	TUBE
	70917807	2	SLEEVE, 3/8" tube
	70917810	2	NUT, 3/8" tube
4	70919005	1	ELBOW
	73077142	1	HOSE
	70919171	2	CONNECTOR
5	70920992	1	TEE
	70928799	1	CONNECTOR
6	73077131	1	TUBE
	70917807	2	SLEEVE, 3/8" tube
	70917810	2	NUT, 3/8" tube
	70919005	1	ELBOW
	74023556	1	CONNECTOR (Includes O-Ring)
	70921884	1	O-RING
			(Continued)

# WARNING SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	73077272	1	SWITCH, pressure
8	73077287	1	WIRE
9	73077273	1	LIGHT-BUZZER (Mounts in Cab, right side)
10	73077141	1	HOSE
	70922872	1	ELBOW, 1/2" tube, 1/4"NPT
11	73077147	1	SENTINEL, heat
	70922729	1	TEE
	70920556	1	CONNECTOR
12	73077138	4	HOSE
	70932878	2	TEE
	70922729	1	TEE
	70920556	1	CONNECTOR
	70919205	1	CONNECTOR
	70922872	1	ELBOW
13	73077140	1	TUBE
	70920398	1	CONNECTOR, 1/2" tube, 3/8"NPT male
	70911522	1	TEE
	70931880	1	CONNECTOR
	70917808	2	SLEEVE, 1/2" tube
	70917811	2	NUT, 1/2" tube
14	73077139	1	HOSE
	70919171	1	CONNECTOR
	70925898	1	CONNECTOR
15	73077149	1	VALVE, coolant loss
	70927541	4	CAPSCREW
	70904204	4	LOCKWASHER
16	73077135	1	BRACKET
	70928525	2	CAPSCREW
	70929247	2	WASHER
17	73077137	1	HOSE
	70922872	1	ELBOW
18	73077148	1	SENTINEL, heat
19	73077133	1	ELBOW
20	70925094	3	TIE (Use as required)





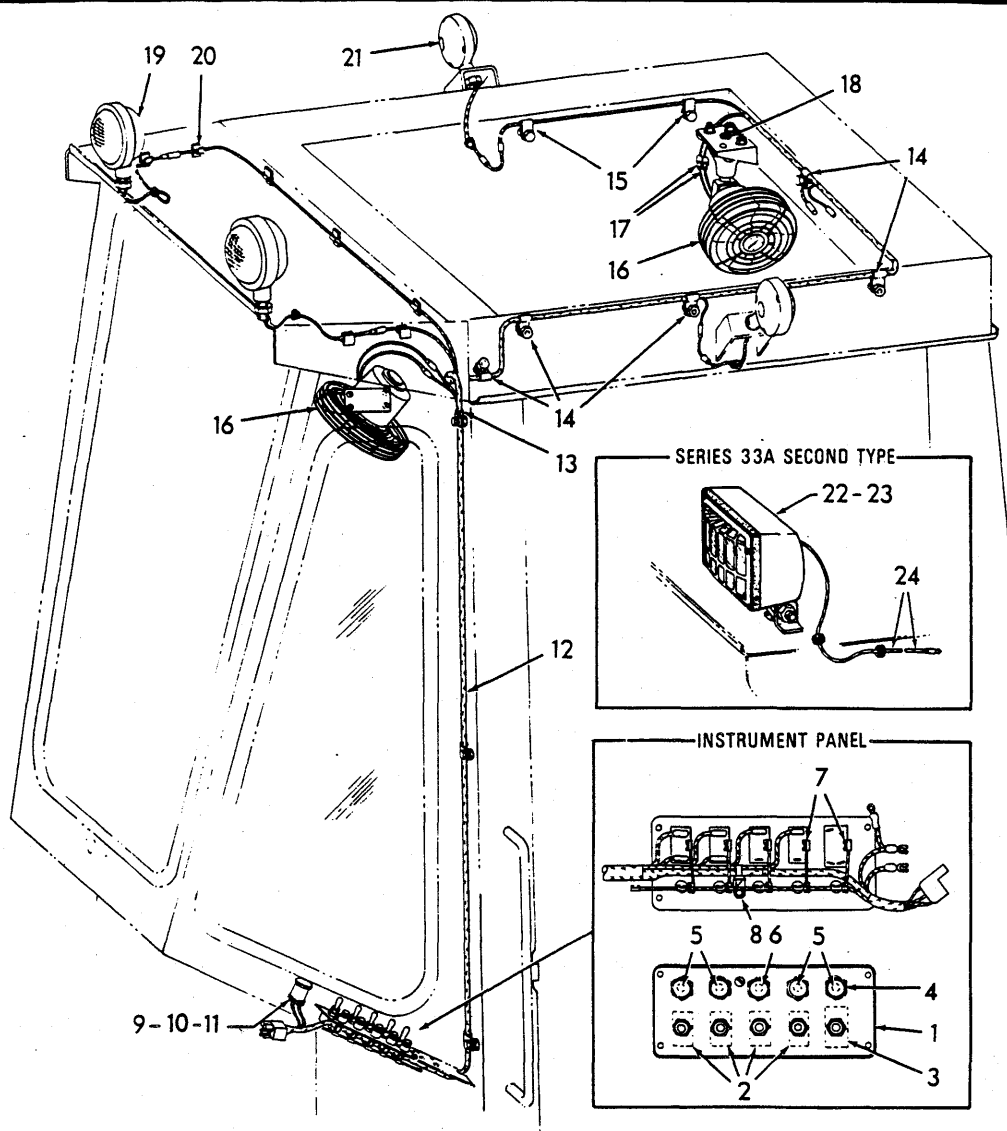
USAGE: Special Equipment (Standard on Loader series 33A)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73055481	1	SWITCH ASSY. (Includes HARDWARE PARTS KIT and BULB indented below, items 4 and 5, and STRAP)
	73057142	1	HARDWARE PARTS REPLACEMENT
	70917443	2	SCREW, No. 8NC x 3/4"
	70917395	2	LOCKWASHER, No. 8
	70923906	2	WASHER, plain
	73057144	1	BULB, indicator (12 volt)
	70926919	1	CLIP (Secure harness to steering column)

(Continued)

TURN SIGNALS (Continued)  
(ROPS CAB)

ITEM	PART NO.	QTY.	DESCRIPTION
2	73058298	1	BRACKET
	70923341	2	CAPSCREW, 1/4" NC x 3/4"
	70904204	2	LOCKWASHER, 1/4"
	70916622	2	NUT, 1/4" NC (Not for Loader series 33A)
	70910280	2	NUT, 1/4" NC (For Loader series 33A only)
3	70925094	5	CLIP
4	73018628	1	FUSE, 14 amp. (between flasher and key switch)
5	73057143	1	FLASHER
6	73055535	1	STRAP (mounting for flasher)
	70917452	2	SCREW, No. 10 x 1/2"
	70917415	2	NUT, No. 10
	70917365	2	LOCKWASHER, No. 10
	70923212	2	WASHER, plain, No. 10
7	73052008	4	TERMINAL
8	73061022	1	WIRING HARNESS (Used prior to unit no. 04450)
	70926917	1	CLIP
	70916271	1	CAPSCREW, 3/8" NC x 1"
	70910287	1	LOCKWASHER, 3/8"
	70910324	1	NUT, 3/8" NC
9	-----	2	LIGHT ASSY. (See page 247b)
10	73059832	2	PLUG, plastic
11	73059884	2	CLIP



T-77288

# INSTRUMENT PANEL AND WIRING (ROPS CAB)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73059890	1	PANEL
	70925369	41	SCREW, No. 10 NF x 5/8"
	70909055	4	LOCKWASHER, No. 10
	70917415	4	NUT, No. 10 NF
2	73059891	4	SWITCH
3	73059893	1	SWITCH
4	74791157	5	HOLDER, fuse
5	73041596	4	FUSE, 6 amp.
6	73059920	1	FUSE, 10 amp.
7	73059894	5	WIRE
8	73058052	2	TIE
	70925369	2	SCREW, No. 10 NF x 5/8"
	70909055	2	LOCKWASHER, No. 10
	70917415	2	NUT, No. 10 NF

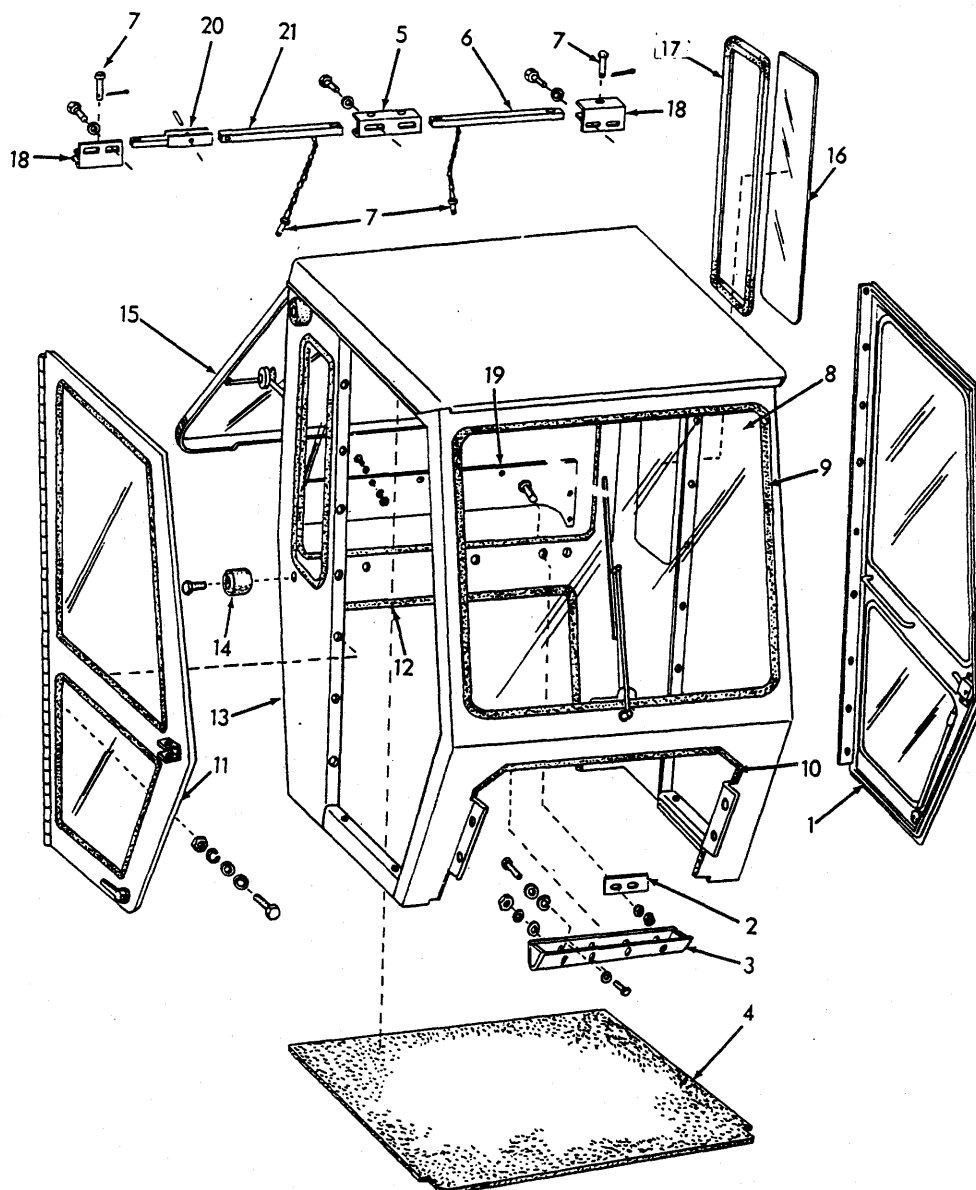
(Continued)

(Revised April 1981)

INSTRUMENT PANEL AND WIRING (Continued)  
(ROPS CAB)

ITEM	PART NO.	QTY.	DESCRIPTION
9	73023024	1	LIGHT ASSY. (Includes item 10 and 11)
10	73046487	1	BULB (12 volt)
11	73037183	1	SHIELD
12	73059919	1	HARNESS
13	70925617	3	CLIP
	70916284	3	CAPSCREW, 1/4"NC x 1/2"
	70900816	3	WASHER, plain, 1/4"
	70904204	3	LOCKWASHER, 1/4"
14	70928931	5	CLIP
	70916284	5	CAPSCREW, 1/4"NC x 1/2"
	70900816	5	WASHER, plain, 1/4"
	70904204	5	LOCKWASHER, 1/4"
15	70928176	2	CLIP
	70916284	2	CAPSCREW, 1/4"NC x 1/2"
	70900816	2	WASHER, plain, 1/4"
	70904204	2	LOCKWASHER, 1/4"
	73059886	-	DEFROSTER FAN GROUP (Includes items 16 thru 18) (Special Equipment)
16	73059874	2	FAN ASSY. (12 volt)(See page 254b)
	70926308	4	CAPSCREW, No. 10 NF x 3/4" (Front Fan)
	70925369	4	CAPSCREW, No. 10 NF x 5/8"
	70923212	8	WASHER, plain, No. 10
	70917365	8	LOCKWASHER, No. 10
	70917415	4	NUT, No. 10 NF (Rear Fan)
17	73052008	4	TERMINAL
18	73045633	1	GROMMET
	73059877	-	FLOOD LIGHT GROUP (Includes items 19 and 20) (Special Equipment)(Std. on Loader series 33A prior to unit #07947)
19	71006399	2	LIGHT, flood (12 volt)(See page 239)
20	73059884	7	CLIP
21	73055480	2	LIGHT ASSY. (See page 247 b)
22	73077260	2	LIGHT, flood
23	73077269	2	BULB
24	73077325	2	WIRE
	73045633	4	GROMMET

Std. on Loaders series 33A unit  
#07947 and up excluding unit Nos.  
07958, 08023, 08024, 08029,  
08030, 08031



CAB

T-73205

USAGE: Special Equipment  
Used prior to ROPS Cab.

NOTE: For replacement CAB ASSY. see your FIAT-ALLIS dealer.

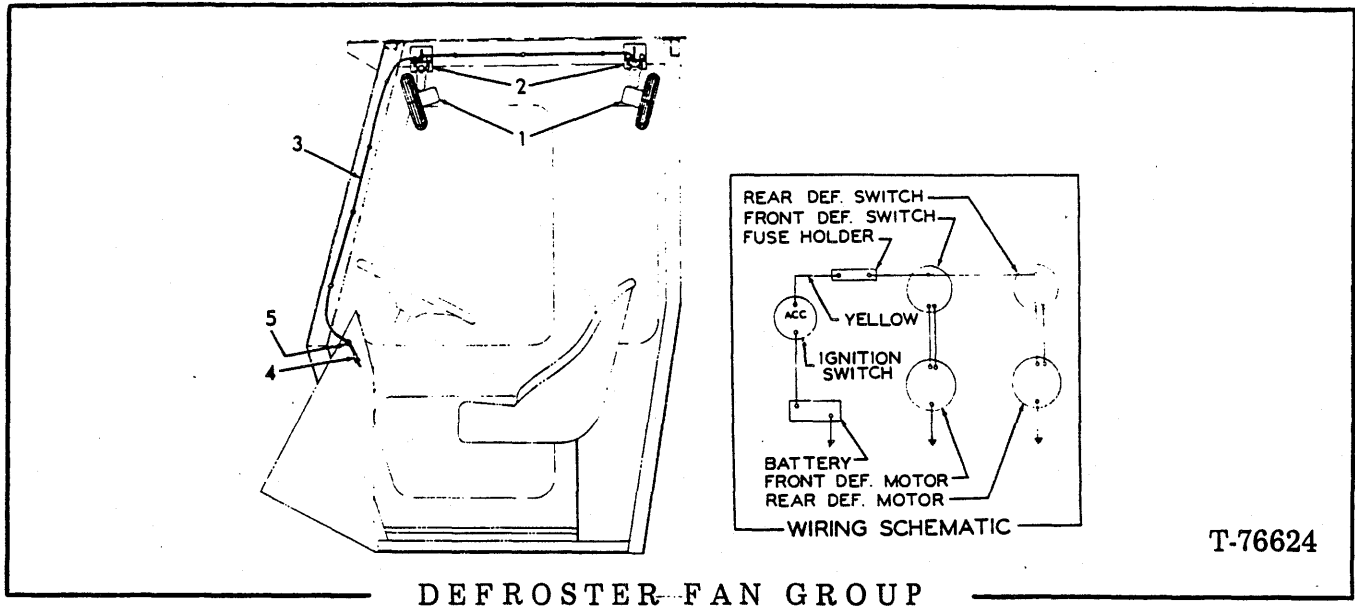
ITEM	PART NO.	QTY.	DESCRIPTION
-	-	-	CAB ASSY.
70903775	8		CAPSCREW, 3/8" NC x 7/8"
70911115	16		WASHER, plain, 3/8"
70910287	8		LOCKWASHER, 3/8"
70916950	8		NUT, 3/8" NC
70921176	8		CAPSCREW, 1/2" NC x 1-1/4"
70910244	16		WASHER, plain, 1/2"
70912441	8		LOCKWASHER, 1/2"
70910325	8		NUT, 1/2"

(Continued)

## C A B (Continued)

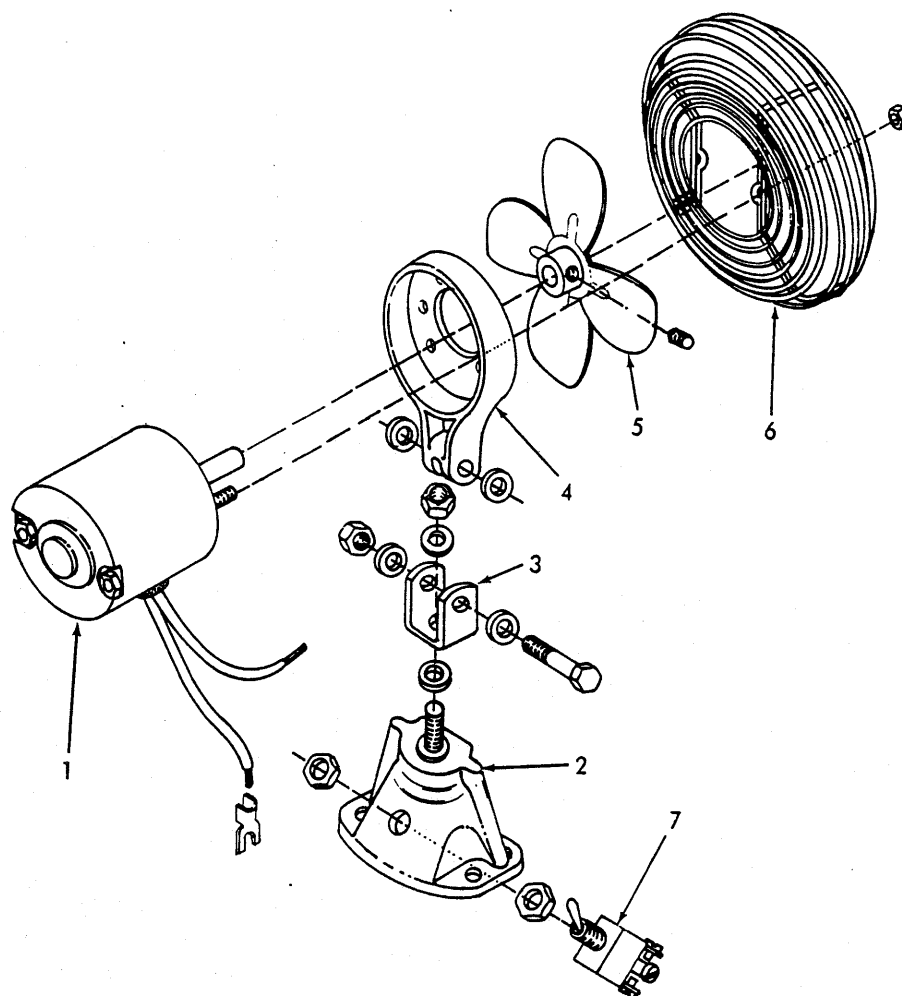
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	DOOR ASSY., left (See page 259)
	70903773	9	CAPSCREW, 5/16" NC x 1-1/4"
	70910335	18	WASHER, plain, 5/16"
	70904205	9	LOCKWASHER, 5/16"
	70910323	9	NUT, 5/16" NC
2	73050730	3	PLATE
3	73057221	1	BRACKET
	70903775	4	CAPSCREW, 3/8" NC x 7/8"
	70911115	4	WASHER, plain, 3/8"
	70910287	2	LOCKWASHER, 3/8"
4	73050723	1	INSULATION
5	73050725	1	BRACKET
	70923701	2	CAPSCREW, 3/8" NC x 2"
	70911115	4	WASHER, plain, 3/8"
	70910287	2	LOCKWASHER, 3/8"
	70916950	2	NUT, 3/8" NC
6	73051832	1	TUBE ASSY.
7	73054320	3	PIN
8	-----	1	GLASS (Part No. 73057220) (See NOTE below)
9	73050722	1	STRIP
10	73057230	1	GASKET, front cowl (4.6 feet)
11	-----	1	DOOR ASSY., right (See page 259)
	70903773	9	CAPSCREW, 5/16" NC x 1-1/4"
	70910335	18	WASHER, plain, 5/16"
	70904205	9	LOCKWASHER, 5/16"
	70910323	9	NUT, 5/16" NC
12	73050719	1	GASKET, rear cowl (8.4 feet)
13	-----	1	BODY ASSY. (Order CAB ASSY.)
14	73050724	4	BUMPER
15	-----	1	FRAME ASSY. (See page 257)
	70903773	4	CAPSCREW, 5/16" NC x 1-1/4"
	70910335	8	WASHER, plain, 5/16"
	70904205	4	LOCKWASHER, 5/16"
	70910323	4	NUT, 5/16" NC
16	-----	2	GLASS (Part no. 73050726) (See NOTE below)
17	73050727	2	STRIP
18	73050728	2	BRACKET
	70923701	4	CAPSCREW, 3/8" NC x 2"
	70911115	8	WASHER, plain, 3/8"
	70910287	4	LOCKWASHER, 3/8"
	70916950	4	NUT, 3/8" NC
19	73046596	1	PLATE
	70905657	9	CAPSCREW, 1/4" NC x 1"
	70911114	9	WASHER, plain, 1/4"
	70904204	9	LOCKWASHER, 1/4"
	70916622	9	NUT, 1/4" NC
20	73054322	1	PIVOT ASSY.
21	73054321	1	TUBE ASSY.

NOTE: GLASS must be procured locally. Refer to CAB GLASS DATA Catalog for pattern.



USAGE: Special Equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058508	2	FAN (12 volt) (See page 254a)
	70926308	8	SCREW, No. 10 NF x 3/4"
	70917415	8	NUT, No. 10 NF
	70917365	8	LOCKWASHER, No. 10
	70923212	8	WASHER, plain, No. 10
2	73058510	2	BRACKET, fan mounting
	70923341	4	CAPSCREW, 1/4" NC x 3/4"
	70916964	4	LOCKWASHER, 1/4"
	70918264	4	WASHER, plain, 1/4"
3	73056774	1	WIRE ASSY.
	70929135	7	CLIP
4	73041596	1	FUSE (6 amp.)
5	73045633	5	GROMMET



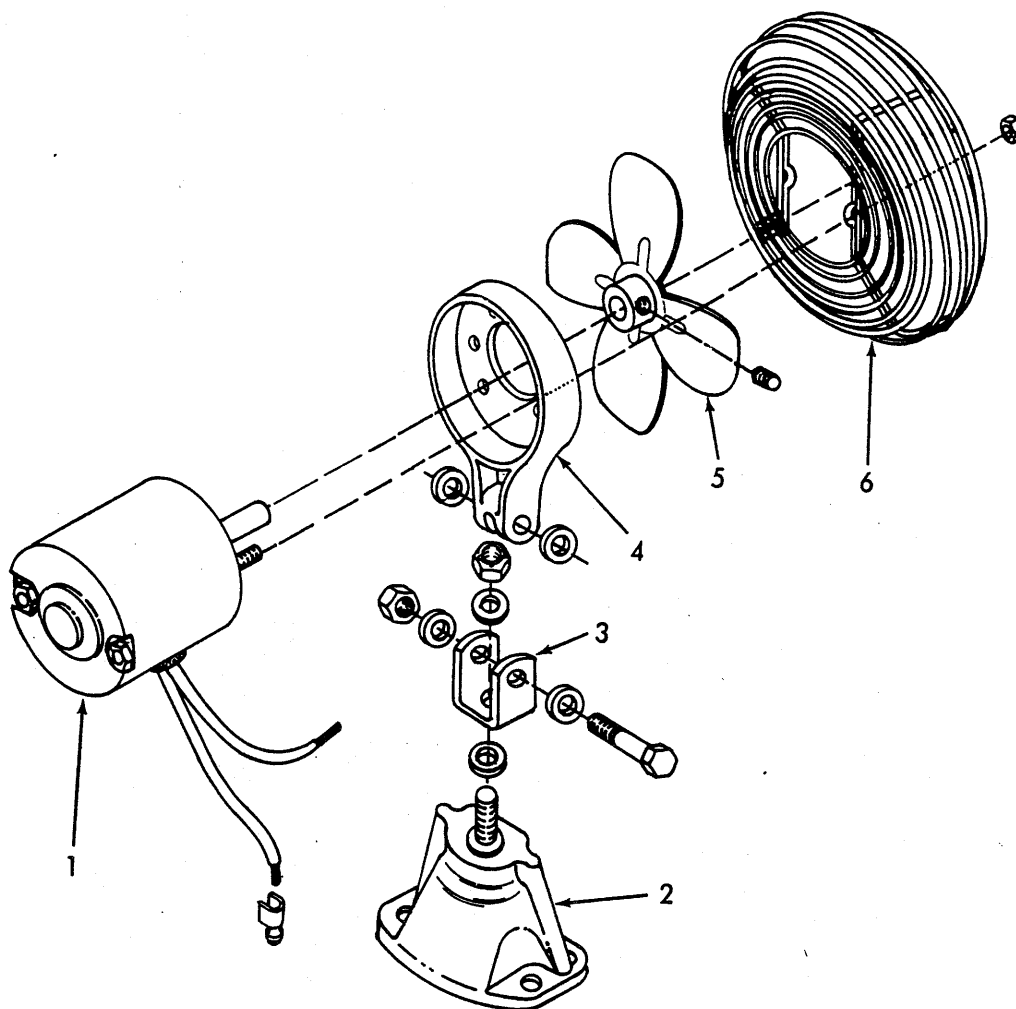
T-80444

DEFROSTER FAN ASSEMBLY

USAGE: Used prior to ROPS CAB. See page 254

ITEM	PART NO .	QTY.	DESCRIPTION
-	73058508	1	FAN ASSY. (Includes item 1 thru 7)
1	73069008	1	MOTOR, 12v
	70917602	2	TERMINAL
2	73069016	1	BASE
3	73069004	1	U-BRACKET
	70932844	1	WASHER, nylon, 13/32"
	70900816	1	WASHER, plain, 1/4"
	70922932	1	LOCKNUT, 5/16" NF
4	73069020	1	BRACKET, motor mtg.
	70929008	1	CAPSCREW, 1/4" NF x 1-3/4"
	70929932	1	WASHER, 13/64"
	70921702	1	LOCKNUT, 1/4" NF
5	73069007	1	FAN
	70917570	1	SETSCREW, no. 10 NF x 1/4"
6	73069011	1	GUARD
	70928919	2	NUT, no. 10 (Includes washer)
7	73069002	1	SWITCH, (Includes attaching hardware)



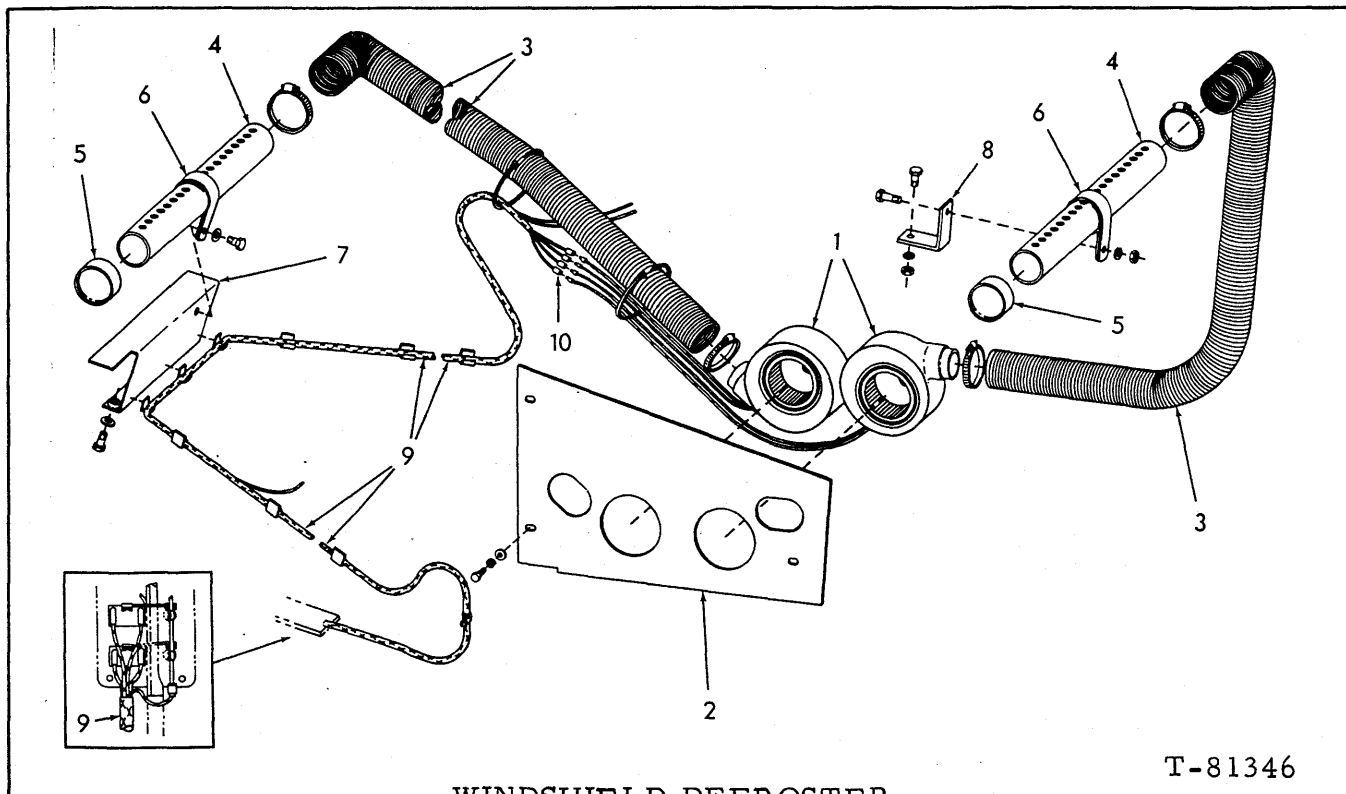


T-80444

# DEFROSTER FAN ASSEMBLY

USAGE: Effective with ROPS CAB. (Standard on Loader series 33A prior to unit #07947)(See page 250)

ITEM	PART NO .	QTY.	DESCRIPTION
-	73059874	1	FAN ASSY. (Includes item 1 thru 6)
1	73069008	1	MOTOR, 12v.
	73052008	2	TERMINAL
2	73069015	1	BASE
3	73069004	1	U-BRACKET
	70932844	1	WASHER, nylon, 13/32"
	70900816	1	WASHER, plain, 1/4"
	70922932	1	LOCKNUT, 5/16" NF
4	73069020	1	BRACKET, motor mtg.
	70929008	1	CAPSCREW, 1/4" NF x 1-3/4"
	70929932	1	WASHER, 13/64"
	70921702	1	LOCKNUT, 1/4" NF
5	73069007	1	FAN
	70917570	1	SETSCREW, no. 10 NF x 1/4"
6	73069011	1	GUARD
	70928919	2	NUT, no. 10 (Includes washer)



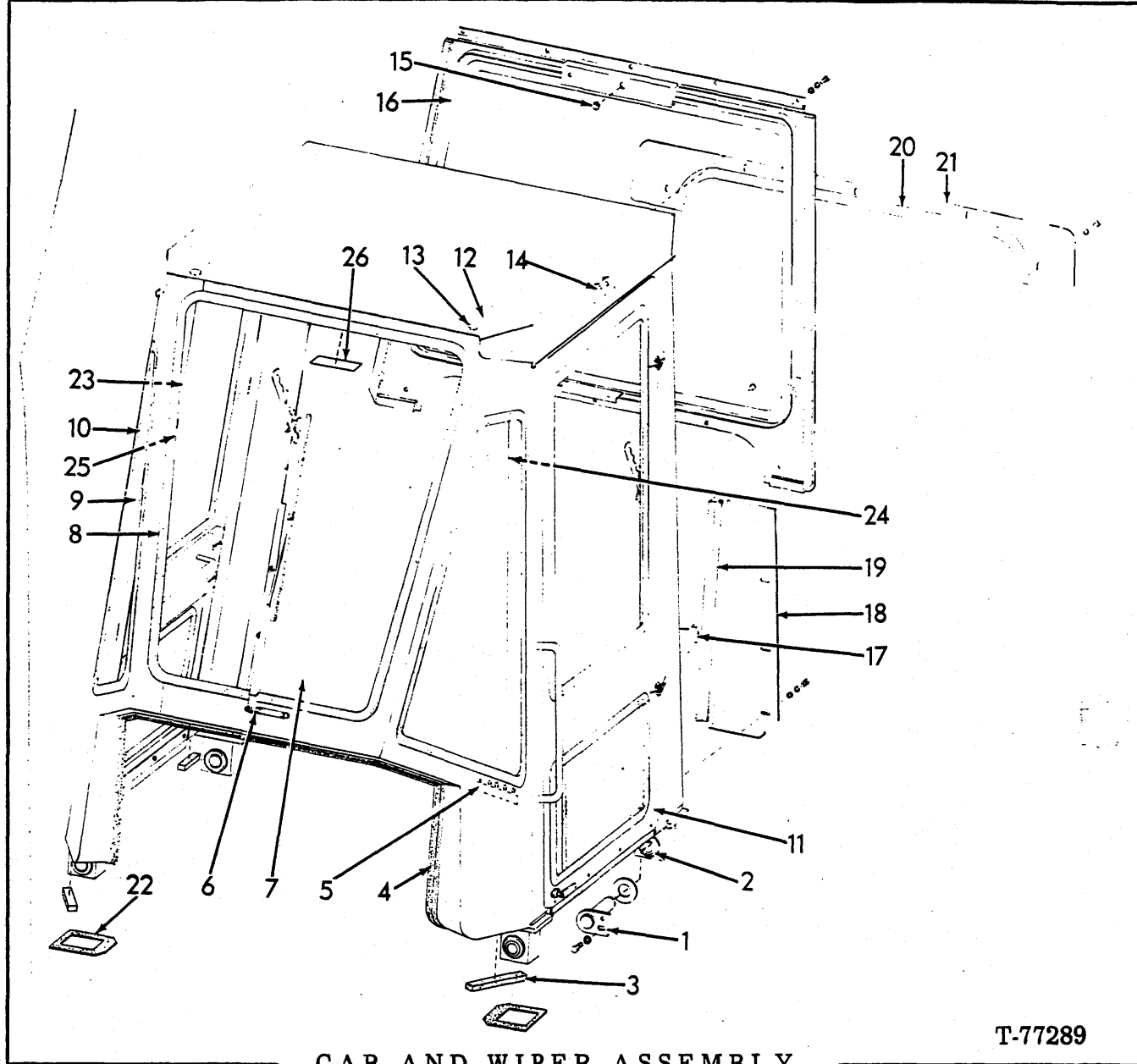
T-81346

# WINDSHIELD DEFROSTER

USAGE: Loaders series 33A only, effective serial No. 33A07947 and up. See page 254B for earlier units.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73077183	2	BLOWER ASSY. (Serviced only as a unit)(Requires welding to install)
2	73077174	1	COVER
	70915406	3	CAPSCREW, 1/4"NC x 3/4"
	70911114	3	WASHER, plain, 1/4"
	70904204	3	LOCKWASHER
3	73077261	2	HOSE
	70922198	4	CLAMP
	70930871	2	TIE, plastic
4	73077262	2	DIFFUSER
5	73077267	2	CAP
6	70927514	2	CLAMP
	73072908	2	GASKET
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70922763	1	CAPSCREW, 3/8"NC x 1"
	70929156	2	WASHER, 3/8"
	70933623	1	NUT, 3/8"NC
7	73077191	1	PLATE, front
	70922300	2	CAPSCREW, 3/8"NC x 3/4"
	70929156	2	WASHER, 3/8"
8	73077187	1	PLATE, rear
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70929156	1	WASHER, 3/8"
	70933623	1	NUT, 3/8"NC
9	73077317	1	HARNESS
	79030708	1	CLAMP
	73070823	9	CLIP
10	73121530	4	TERMINAL

2014



T-77289

**CAB AND WIPER ASSEMBLY  
(ROPS CAB)**

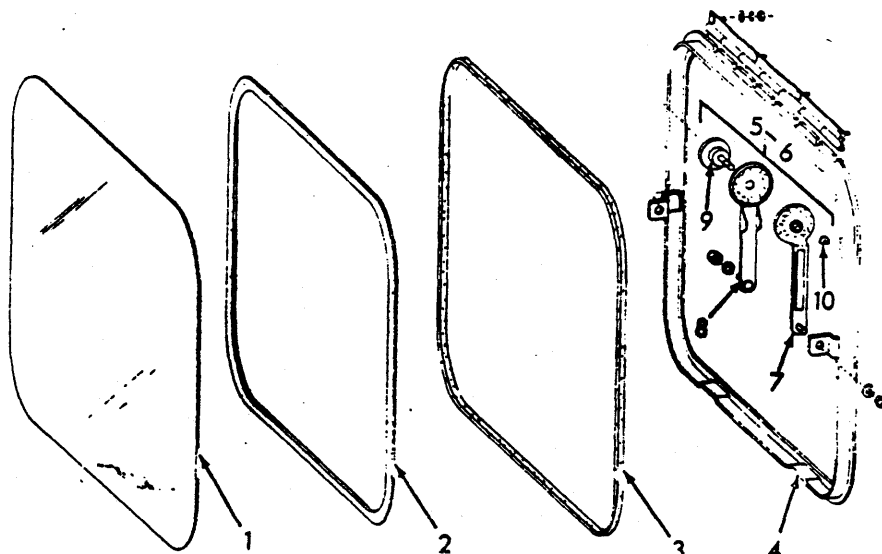
ITEM	PART NO.	QTY.	DESCRIPTION
1	73059455	4	PIN
	70912299	4	WASHER, plain, 1-1/4"
	70915408	4	CAPSCREW, 3/8" NC x 3/4"
	70910287	4	LOCKWASHER, 3/8"
	70911115	4	WASHER, plain, 3/8"
2	73059477	4	BUSHING
3	.....	-	STRIP, rubber, 62" (Order item 29)
4	.....	-	CHANNEL, rubber (Order item 28)
5	.....	1	PANEL ASSY., instrument (See page 250)
6	.....	1	WIPER (See page 265)
7	.....	1	GLASS (Part No. 73059610) (See NOTE page 256)

(Continued)

# CAB AND WIPER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	-----	1	CHANNEL, rubber, 130" (Order item 30)
9	-----	2	GLASS (Part No. 73059611) (See NOTE below)
10	-----	2	CHANNEL, rubber, 100" (Order item 30)
11	-----	2	DOOR ASSY. (See page 261)
	70922287	4	CAPSCREW, 3/8" NC x 1-3/4"
	70911115	16	WASHER, plain, 3/8" (Use as required)
	70918308	4	LOCKNUT, 3/8" NC
12	73059832	2	PLUG
13	73059831	2	PLUG
14	73059832	2	PLUG
15	70921113	1	PLUG (Not required with Rear Window Wiper)
16	-----	1	PANEL ASSY. (See page 258)
	70927541	5	CAPSCREW, 1/4" NC x 3/4"
	70677004	5	WASHER
17	73066804	4	BUMPER
	70916282	2	CAPSCREW, 1/4" NC x 7/8"
	70900816	4	WASHER, plain, 1/4"
	70904204	4	LOCKWASHER, 1/4"
	70916622	2	NUT, 1/4" NC
	70918237	2	CAPSCREW, 1/4" NC x 1-1/4"
	70910880	2	NUT, 1/4" NC
18	{ 73063621	1	PLATE, left
	73063622	1	PLATE, right
	70915406	6	CAPSCREW, 1/4" NC x 3/4"
	70900816	6	WASHER, plain, 1/4"
	70904204	6	LOCKWASHER, 1/4"
19	-----	-	CHANNEL, rubber (Order item 28)
20	-----	-	CHANNEL, rubber, 40" (Order item 28)
21	73063987	1	PLATE
	70915343	5	CAPSCREW, 1/4" NC x 5/8"
	70900816	5	WASHER, plain, 1/4"
	70904204	5	LOCKWASHER, 1/4"
	70916622	5	NUT, 1/4" NC
22	73061582	4	PAD
23	73066554	1	DECAL, start up, shut down
24	73066555	1	DECAL, operation
25	73066556	1	DECAL, bucket
26	73066560	1	DECAL, ROPS
27	73063053	1	HEADLINER, rear
	73063489	9	FASTENER, 1/4" NC x 5/8" (1-3/4" long)
28	73070266	-	CHANNEL, rubber (25' length - use as required)
29	73059951	-	STRIP, rubber (Supplied in 20' roll)
30	73059952	-	CHANNEL, rubber (Supplied in 100' roll)
31	73059954	1	ADHESIVE, 5 oz. tube (use as required - not illustrated)

NOTE: GLASS must be procured locally. Refer to  
CAB GLASS DATA Catalog 70698502 for pattern.



T-71587

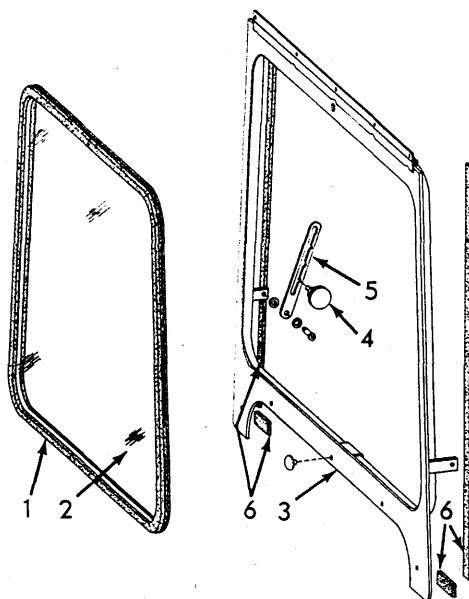
# REAR WINDOW ASSEMBLY

USAGE: Special Equipment.

NOTE: See page 252. Used prior to ROPS Cab.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73050717	1	FRAME ASSY. (Includes items 1 thru 6)
1	-----	1	GLASS (Part No. 73050746)(See NOTE below)
2	73050747	1	STRIP, weather
3	73054390	1	GASKET (Cement to rear frame)
4	73050745	1	FRAME
	70910323	4	NUT, 5/16" NC
	70910335	4	WASHER, plain
	70904205	4	LOCKWASHER, 5/16"
5	73054391	1	ARM ASSY., right (Includes items 7 thru 10)
6	73054392	1	ARM ASSY., left (Includes items 7 thru 10)
7	73054735	2	ARM
	70911115	4	WASHER, plain, 3/8"
	73039856	4	NUT, 3/8" NC
8	73054734	1	ARM, left (female)
	73054736	1	ARM, right (female)
9	73041782	2	KNOB
10	73050749	2	RETAINER

NOTE: GLASS must be procured locally. Refer to CAB GLASS DATA Catalog for pattern.

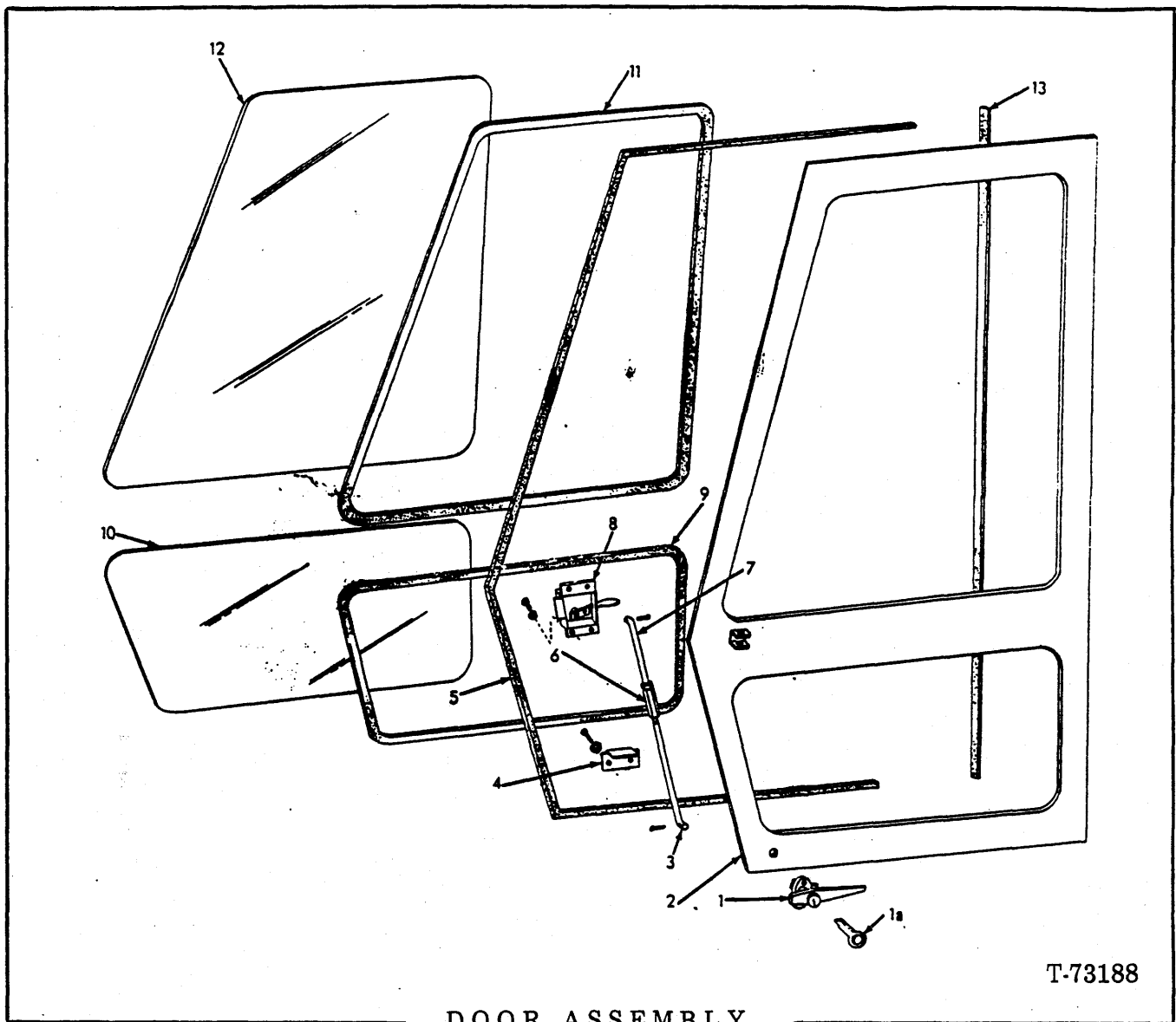


T-77274

# REAR PANEL ASSEMBLY (ROPS CAB)

ITEM	PART NO.	QTY.	DESCRIPTION
-	73059774	1	PANEL ASSY. (Includes items 1 thru 6)
1	-----	1	CHANNEL, 125" (Refer to item 7)
2	-----	1	GLASS (Part No. 73059606)(See NOTE below)
3	-----	1	PANEL (Includes hinge)(Order PANEL ASSY.)
	73068389	5	PLUG (Late units)
4	73061276	2	KNOB
5	73061275	2	ARM
	70911115	6	WASHER, plain, 3/8" (Use as required)
	70929613	2	SCREW, 3/8" NC x 3/8"
6	-----	-	STRIP, sponge (Refer to item 8)
7	73059952	-	CHANNEL (100' roll - use as required)
8	73061253	-	STRIP (100" roll - use as required)

NOTE: GLASS must be procured locally. Refer to  
CAB GLASS DATA Catalog for pattern.



T-73188

# DOOR ASSEMBLY

USAGE: Special Equipment. Used prior to ROPS Cab. See page 252.

\* Left Door Assy.

\*\* Right Door Assy.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	73050716	1	-	DOOR ASSY.
	73050715	-	1	DOOR ASSY.
	73052789	1	-	HANDLE ASSY.
	73052790	-	1	HANDLE ASSY.
	70901171	2	2	SCREW, machine, No. 10 NC x 3/8"
	70904203	2	2	LOCKWASHER, No. 10
1A	73054329	1	1	KEY
2	.....	1	1	DOOR (Order complete DOOR ASSY.)
3	73050735	1	1	ROD
	70918448	1	1	PIN, cotter, 3/32" x 1"

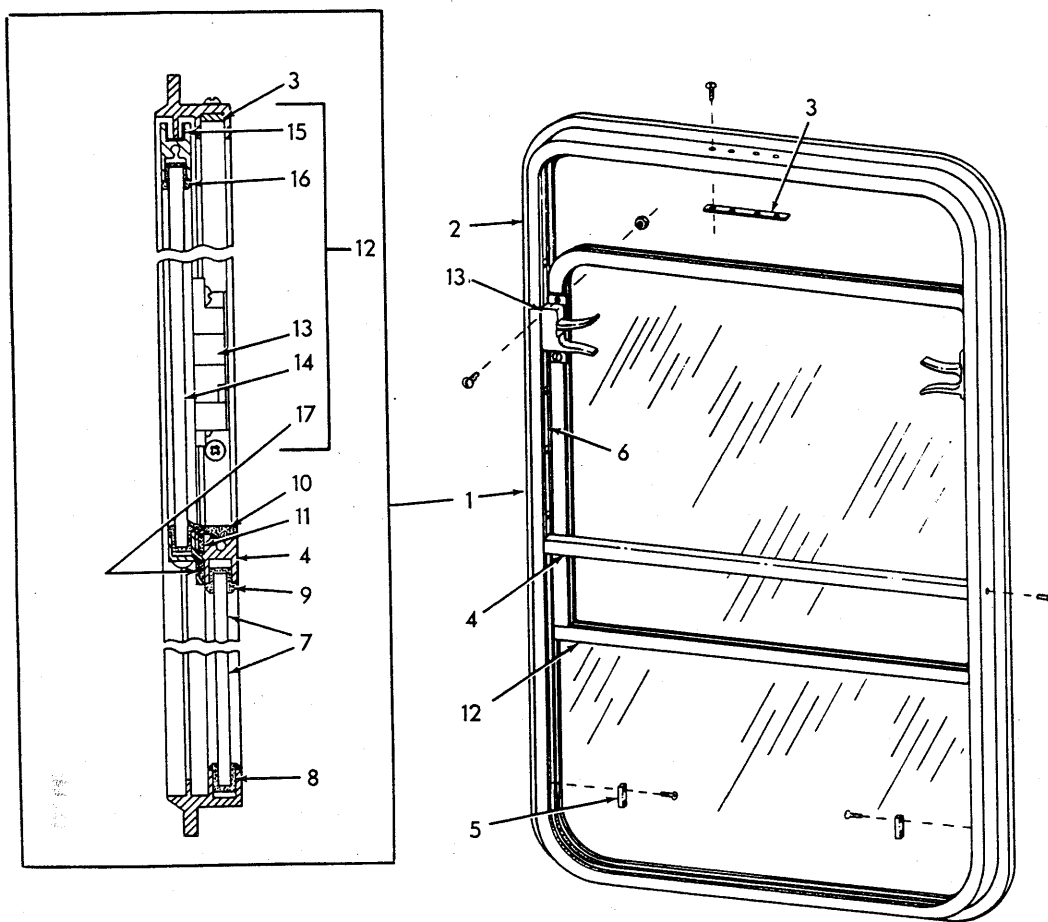
(Continued)



# DOOR ASSEMBLY (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
4	73050736	1	1	COVER
	70901172	2	2	SCREW, machine, No. 10 x 1/2"
	70912611	2	2	LOCKWASHER, external tooth, No. 10
5	73050737	1	1	GASKET
6	73045178	1	1	TURN-BUCKLE
	70910323	1	1	LOCKNUT
7	73050734	1	1	ROD
	70918448	1	1	PIN, cotter, 3/32" x 1"
8	73050743	1	-	LATCH ASSY. }
	73050732	-	1	LATCH ASSY. } (Serviced only as a unit)
	70901171	4	4	SCREW, machine No. 10 NC x 3/8"
	70904203	4	4	LOCKWASHER, No. 10
9	73050742	1	1	STRIP, weather
10	-----	1	1	GLASS (Part No. 73050741)(See NOTE below)
11	73050740	1	1	STRIP, weather
12	-----	1	1	GLASS (Part No. 73050739)(See NOTE below)
13	73050738	1	1	GASKET, door

NOTE: GLASS must be procured locally. Refer to CAB GLASS DATA Catalog for pattern.



T-81300

# SLIDE WINDOWS

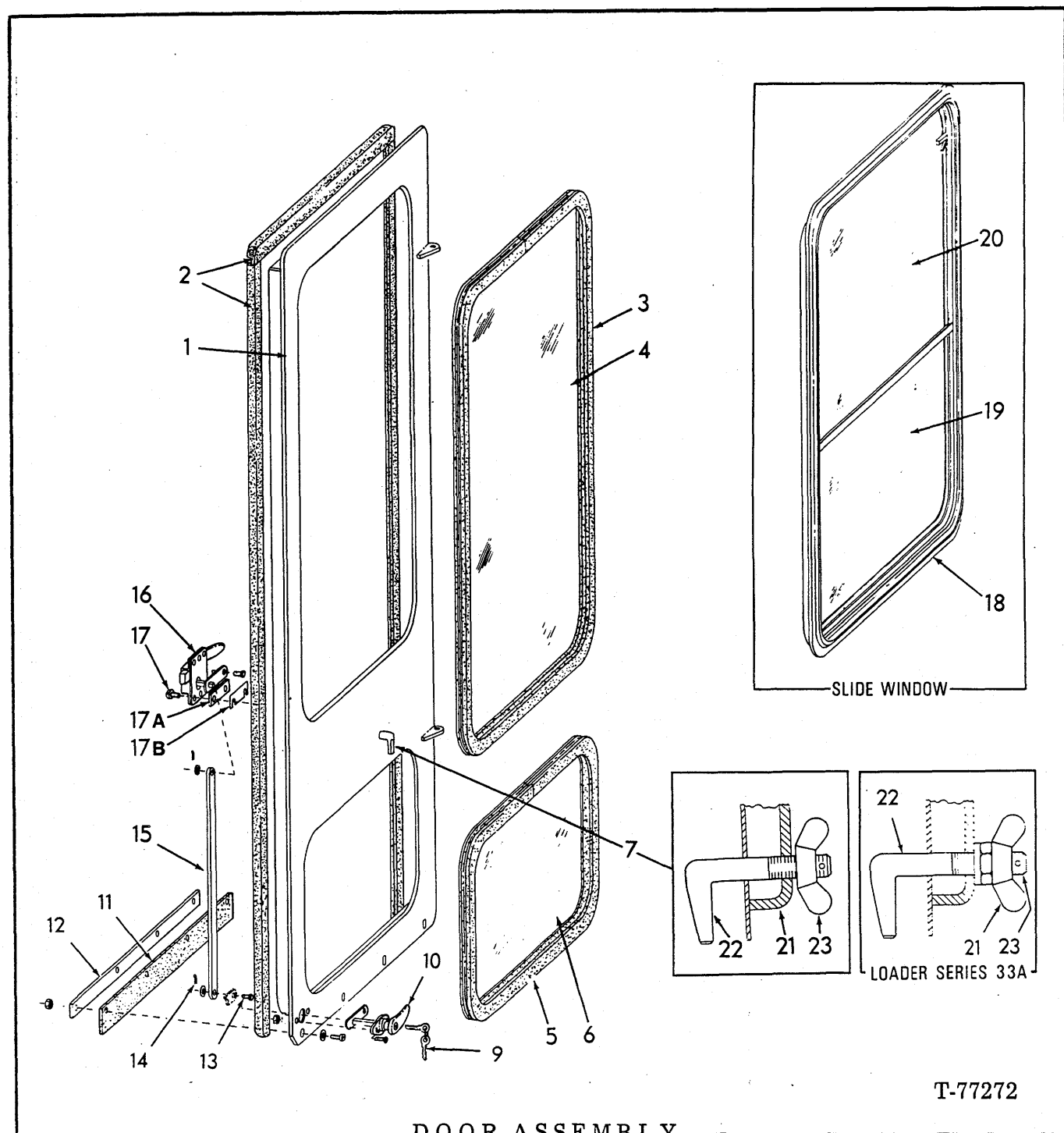
NOTE: Quantity shown is for (1) one window only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73059604	1	WINDOW ASSY., side (Includes items 2 thru 17)
2	-----	1	FRAME
3	73061451	1	BAR, tie
	73061452	4	SCREW
4	73061450	1	POST, center
	73071855	2	SCREW
5	73061448	2	STOP
	73074560	2	SCREW
6	73061444	2	RACK (4 step)
	73061443	12	SCREW
7	-----	1	GLASS (Part No. 73061377)(See NOTE)
8	-----	-	CHANNEL, vinyl (55")(See item 19)
9	-----	-	CHANNEL, vinyl (21")(See item 20)
10	-----	-	WEATHER SEAL (21")(See item 22)
11	-----	-	WEATHER SEAL (21")(See item 21)
12	-----	1	FRAME SLIDE ASSY. (Not serviced, order components item 13 thru 17)
	73061437	2	SCREW

## SLIDE WINDOWS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	73074549	1	LOCK ASSY., left
	73074550	1	LOCK ASSY., right
	73074562	4	SCREW
	73061431	4	NUT
14	-----	-	GLASS (Part No. 73061376)(See NOTE)
15	-----	-	RUBBER, flocked (50")(See item 23)
16	-----	-	CHANNEL, vinyl (70")(See item 18)
17	-----	-	WEATHER SEAL (21")(See item 21)
18	73074564	-	CHANNEL, vinyl (25 ft.)(Use as required)
19	73074565	-	CHANNEL, vinyl (25 ft.)(Use as required)
20	73074566	-	CHANNEL, vinyl (25 ft.)(Use as required)
21	73074567	-	WEATHER SEAL (25 ft.)(Use as required)
22	73074568	-	WEATHER SEAL (25 ft.)(Use as required)
23	73074569	-	RUBBER, flocked (25 ft.)(Use as required)

NOTE: GLASS is not serviced. Procure locally.  
 Refer to CAB GLASS DATA catalog for  
 pattern.



NOTE:

Quantity shown is for one DOOR ASSY. only.

ITEM	PART NO.	QTY	DESCRIPTION	
-	73064447	1	DOOR ASSY., left	includes items 1 thru 17
-	73064448	1	DOOR ASSY., right	
-	73070449	1	DOOR ASSY., left	includes items 1, 2, 3 and 5 thru 18
-	73070450	1	DOOR ASSY., right	
1	73064449	1	DOOR, left	
2	73064450	1	DOOR, right	
2	-----	-	STRIP, sponge, 200" (Refer to item 24)	

(Continued)

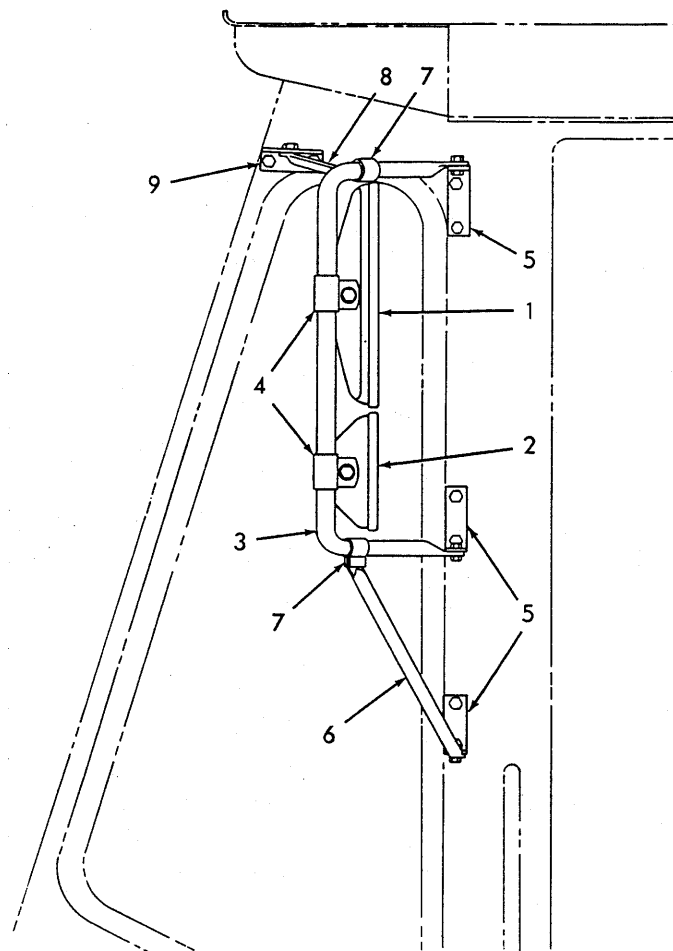
D O O R A S S E M B L Y (Continued)  
(ROPS CAB)

ITEM	PART NO.	QTY.	DESCRIPTION
3	-----	-	CHANNEL, 102" (Refer to item 25)
4	-----	1	GLASS (Part No. 73061150)(See NOTE below)
5	-----	-	CHANNEL, 64" (Refer to item 25)
6	-----	1	GLASS (Part No. 73059605)(See NOTE below)
7	73062190	1	† KIT, latch (includes items 21, 22, 23 and 17 on page 256)
9	73061191	2	KEY (PK509)
10	{ 73061731	1	HANDLE, left
	73061732	1	HANDLE, right
	70922704	2	SCREW, No. 10 NF x 3/4" flat hd.
	70926024	2	NUT, No. 10 NF
11	73059670	1	STRIP, rubber
12	73059627	1	BAR
	70902174	4	SCREW, No. 10 NF x 7/8"
	70910243	4	WASHER, plain, No. 10
	70917415	4	NUT, No. 10 NF
13	70920523	2	PIN, clevis, 1/4"
	70911114	2	WASHER, plain, 1/4"
14	70918194	2	PIN, clip
15	73059621	1	BAR
16	{ 73064445	1	LOCK ASSY., left (Serviced only as a unit)
	73064446	1	LOCK ASSY., right (Serviced only as a unit)
17	70929915	4	SCREW, No. 10 NF x 3/4"
17A	73061234	2	PLATE
17B	73065099	-	SHIM (Use as required)(Replaces 73061233)
18	-----	1	WINDOW ASSY., slide (Optional Equipment on units prior to January, 1979; standard thereafter) (See page 260A)
19	-----	1	GLASS (Part No. 73061377)(See NOTE below)
20	-----	1	GLASS (Part No. 73061376)(See NOTE below)
21	70085559	1	NUT, wing, 5/8" NC
22	70085558	1	HOOK, 5/8" NC
	70926196	1	WASHER, 21/32" }
	70911036	1	NUT, jam, 5/8" NC } For Loader series 33A only
23	70906759	1	SCREW, No. 4 x 1/4"
24	73061253	-	STRIP (100" length - use as required)
25	73059952	-	CHANNEL (100' length - use as required)

NOTE: GLASS must be procured locally. Refer to CAB  
GLASS DATA catalog for pattern.

† Order item 7 only for cabs prior to unit no. 04883

(Revised January 1981)



REAR VIEW MIRROR

T-80521

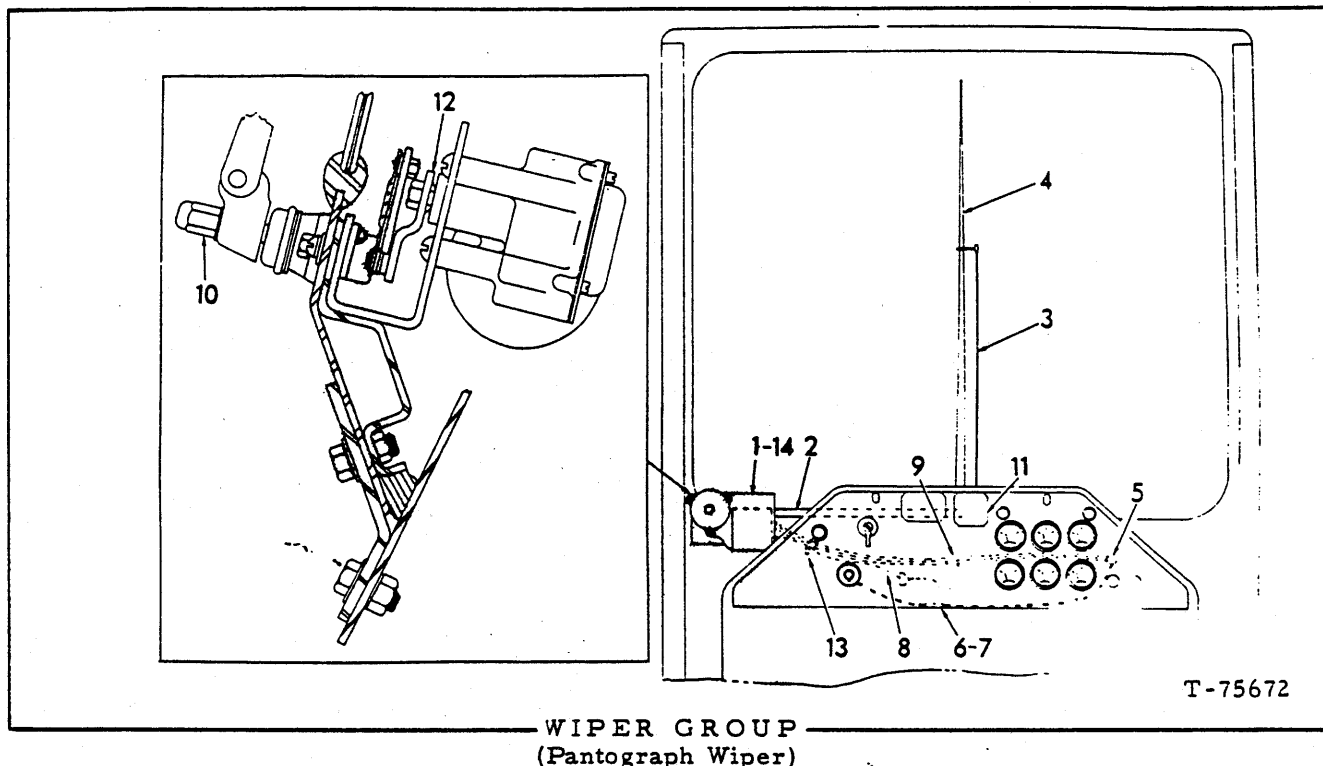
USAGE: Special Equipment (Standard on Loader series 33A)

ITEM	PART NO.	QTY.	DESCRIPTION
-	73072772	1	REAR VIEW MIRROR KIT, outside (Includes items 1 thru 9)
1	73072904	1	HEAD, mirror
2	73072905	1	HEAD, convex
3	73072906	1	LOOP
	70934674	2	CAPSCREW, 5/16" NC x 3/4"
	70934675	2	WASHER
	70934673	2	LOCKWASHER, 5/16"
	70934676	2	NUT, 5/16" NC
4	73072907	2	CLAMP
	73072908	2	GASKET, clamp
	70934673	2	LOCKWASHER, 5/16"
	73072909	2	BOLT, acorn
5	73072910	3	CAB FOOT
	70934677	6	CAPSCREW, 1/4" NC x 3/4"
	70934678	6	LOCKWASHER, 1/4"
	70934679	6	NUT, 1/4" NC

(Continued)

REAR VIEW MIRROR (Continued)

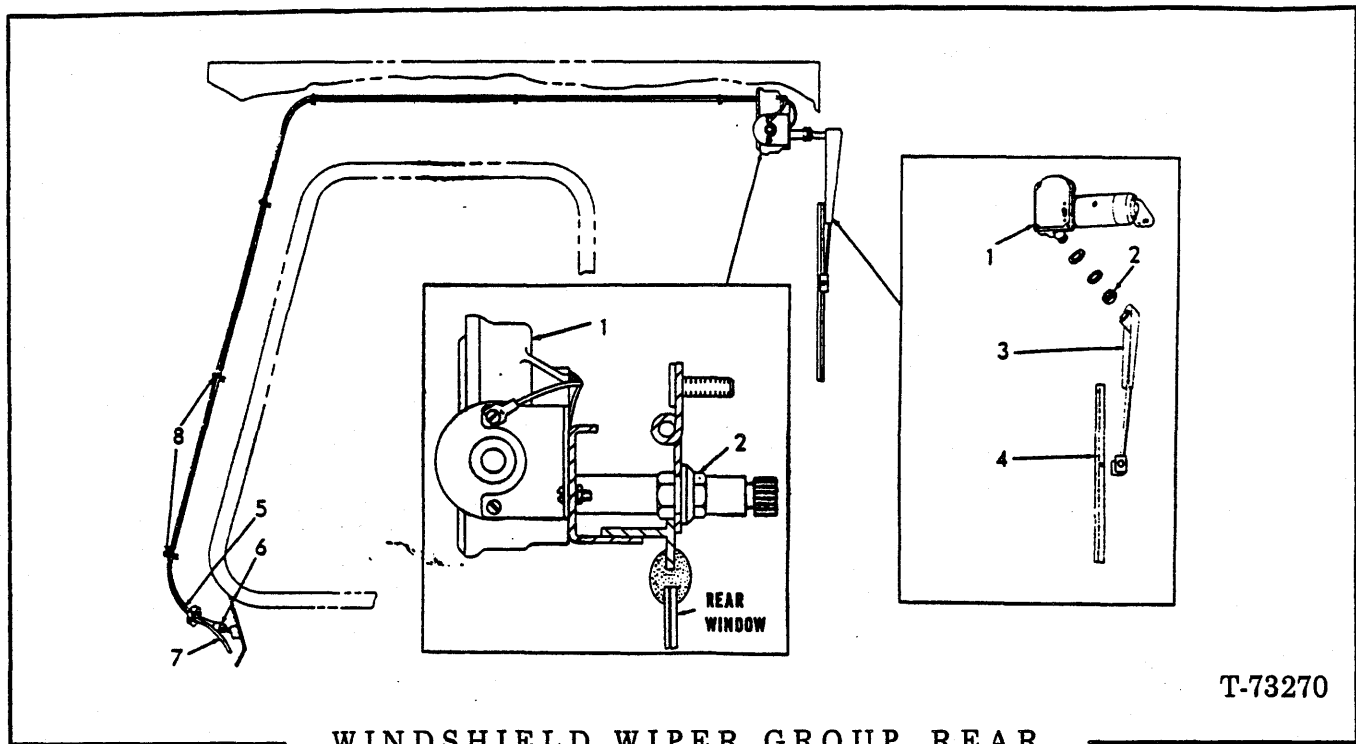
ITEM	PART NO.	QTY.	DESCRIPTION
6	73072912	1	BRACE, lower
	70934674	2	CAPSCREW, 5/16" NC x 3/4"
	70934675	1	WASHER
	70934673	2	LOCKWASHER, 5/16"
	70934676	2	NUT, 5/16" NC
7	73072911	2	CLAMP
8	73072913	1	BRACE, upper
	70934674	2	CAPSCREW, 5/16" NC x 3/4"
	70934675	1	WASHER
	70934673	2	LOCKWASHER, 5/16"
	70934676	2	NUT, 5/16" NC
9	73072914	1	CAB FOOT
	70934677	2	CAPSCREW, 1/4" NC x 3/4"
	70934678	2	LOCKWASHER, 1/4"
	70934679	2	NUT, 1/4" NC



USAGE: Special Equipment  
Used prior to ROPS Cab

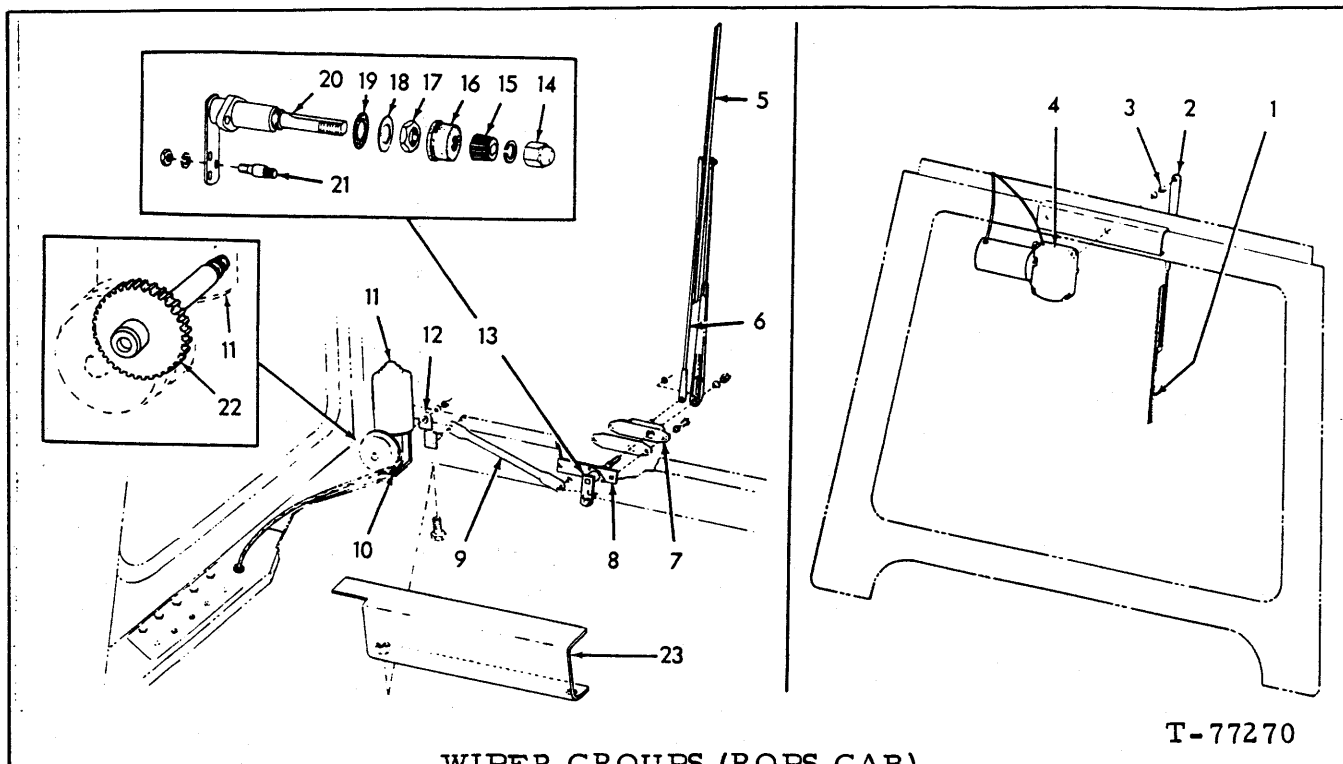
ITEM	PART NO.	QTY.	DESCRIPTION
1	73045651	1	MOTOR ASSY., wiper (12 volt)(Includes mounting bracket and fasteners)
2	73057226	1	LINK
3	73057224	1	ARM
4	73057227	1	BLADE
5	73045205	1	SWITCH
6	73057222	1	HOLDER ASSY., fuse (Includes WIRE)
7	73041596	1	FUSE, 6 amp.
8	73051892	1	WIRE (28" long)
9	70925094	1	CLIP
10	73057219	1	SHAFT ASSY., wiper arm (Includes PIN, GASKET, GROMMET, ADAPTER, WASHERS and NUTS)
	70928204	4	WASHER, plain (Shimming)
11	73057225	1	ADAPTER ASSY., pantograph (Includes GASKET)
	70914089	2	SCREW, machine, round hd., 1/4" NF x 1/2"
	70904204	2	LOCKWASHER, 1/4"
12	73045203	1	ARM
13	70928310	1	GROMMET
14	-----	1	BRACKET, motor mounting (Order item 1)
	70905655	2	CAPSCREW, 1/4" NC x 1/2"
	70904204	2	LOCKWASHER, 1/4"
15	73050612	1	WIRE ASSY. (4")(Used with machines that are not provided with a ground receptable in the main wiring harness)(Not Illustrated)





USAGE: Special Equipment  
Used prior to ROPS Cab.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73053554	1	WIPER GROUP, rear (consists of items 1 thru 9)
1	73053553	1	MOTOR ASSY., wiper (12 volts)(Serviced only as a unit)
	70900558	1	SCREW, machine, No. 10 NF x 1/2"
	70904203	1	LOCKWASHER, No. 10
	70917415	1	NUT, No. 10 NF
2	73051895	1	NUT
3	73039948	1	ARM
4	73039949	1	BLADE
5	73053552	1	WIPER ASSY. ( Includes fuse holder )
	70923510	1	GROMMET (at cowl 9/16" diameter hole)
6	73041596	1	FUSE, 6 amp.
7	73053550	1	WIRE ASSY.
8	73056773	9	CLIP
9	73050612	1	WIRE ASSY. (Used with machines that are not provided with a ground receptable in the main wiring harness)(Not Illustrated)



WIPER GROUPS (ROPS CAB)

T-77270

NOTE: See page 255. ROPS Cab includes FRONT WIPER.  
Order Special Equipment REAR WIPER separately.  
(Standard on Loader series 33A)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73059930	1	BLADE
2	73059929	1	ARM
3	73051895	1	NUT
4	73059937	1	MOTOR (12 volt)
	70917452	1	SCREW, #10-32 x 1/2"
	70904203	1	LOCKWASHER, #10
	70917415	1	NUT, #10
5	73057227	1	BLADE
6	73059939	1	ARM
7	73057225	1	ADAPTER ASSY. (Includes Gasket)
	70927340	2	CAPSCREW, 1/4"NC x 3/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4"NC
8	73059683	1	PLATE (Early units)
9	73059942	1	LINK
	70639073	2	WASHER, spring, 1/4"
	70639074	2	CLIP
10	73059633	1	BRACKET
	70916282	2	CAPSCREW, 1/4"NC x 7/8"
	70904204	2	LOCKWASHER, 1/4"
	70900816	2	WASHER
11	73061044	1	MOTOR, (12 volt)(Includes item 22)
	70923510	1	GROMMET
	70914120	3	SCREW, 1/4"NF x 3/4"
	70914105	3	LOCKWASHER, 1/4"
12	73061046	1	ARM

(Continued)

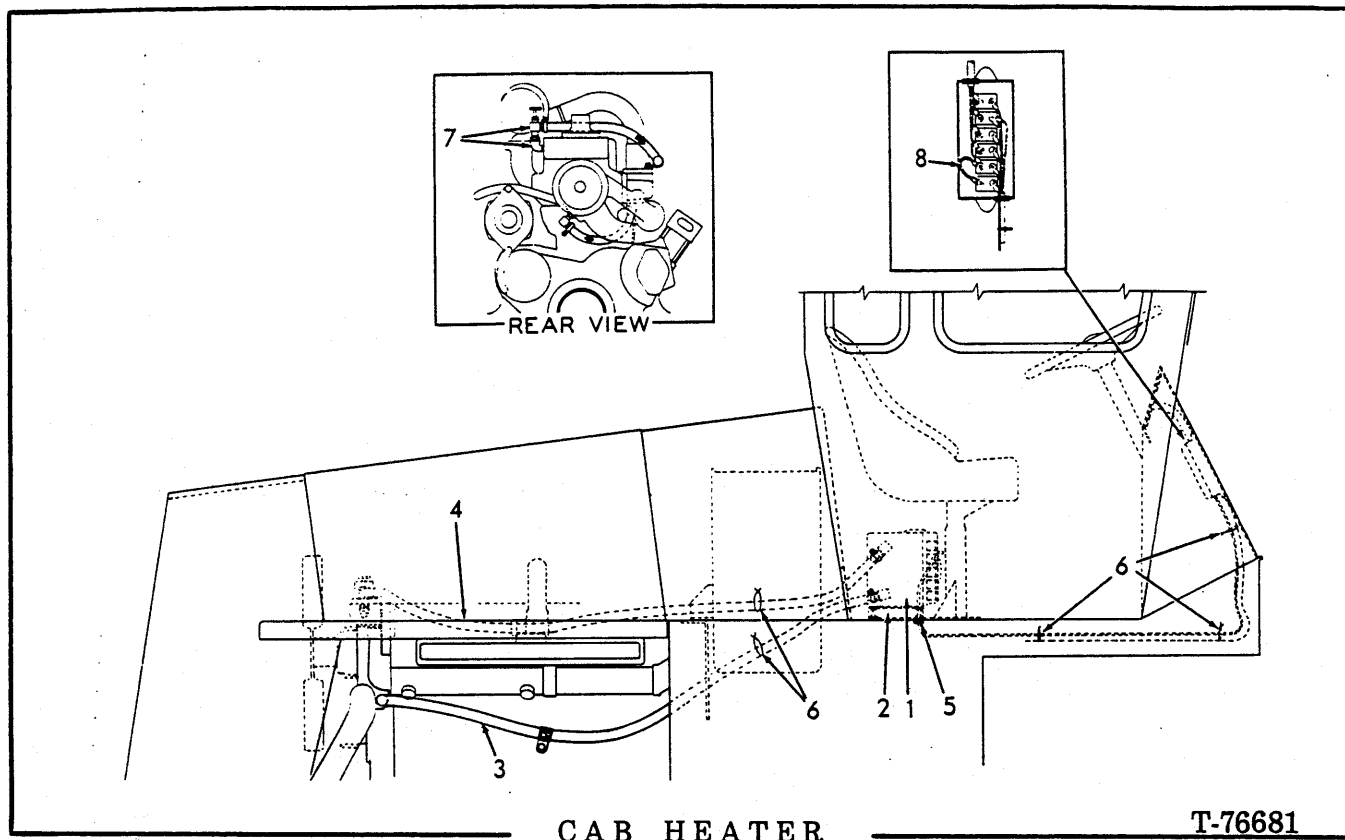
(Revised January 1982)

## WIPER GROUPS (ROPS CAB)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	-----	1	SHAFT AND PIVOT ASSY. (5/8" diam. shaft order late type)
	73066384	1	SHAFT AND PIVOT ASSY. (Late type, 11/16" diam. shaft)(Includes 14 thru 21)
	70922121	2	SCREW, #10 32 x 3/8"
	70922711	2	LOCKWASHER, #10
14	73066417	1	*CAP NUT
	70923300	1	*LOCKWASHER, 5/16"
	73066426	1	CAP NUT
	70916803	1	LOCKWASHER, 3/8"
15	73066419	1	*DRIVER
	73066427	1	DRIVER
16	73066415	1	*CAP, rubber
	73066424	1	CAP, rubber
17	73066428	1	NUT
18	70913540	1	*WASHER, plain, 21/32"
	70922088	1	WASHER, plain, 23/32"
19	73066416	1	*WASHER, fiber
	73066425	1	WASHER, fiber
20	-----	1	SHAFT ASSY. (Order item 13)
21	73066418	1	STUD
	70924958	1	LOCKWASHER, 1/4"
	70920437	1	NUT, 1/4"NF
22	73076862	1	GEAR ASSY. (Includes shaft)(Service item 11 only)
23	73073117	1	COVER ASSY., front wiper mechanism
	70922763	2	CAPSCREW, 3/8"NC x 1"

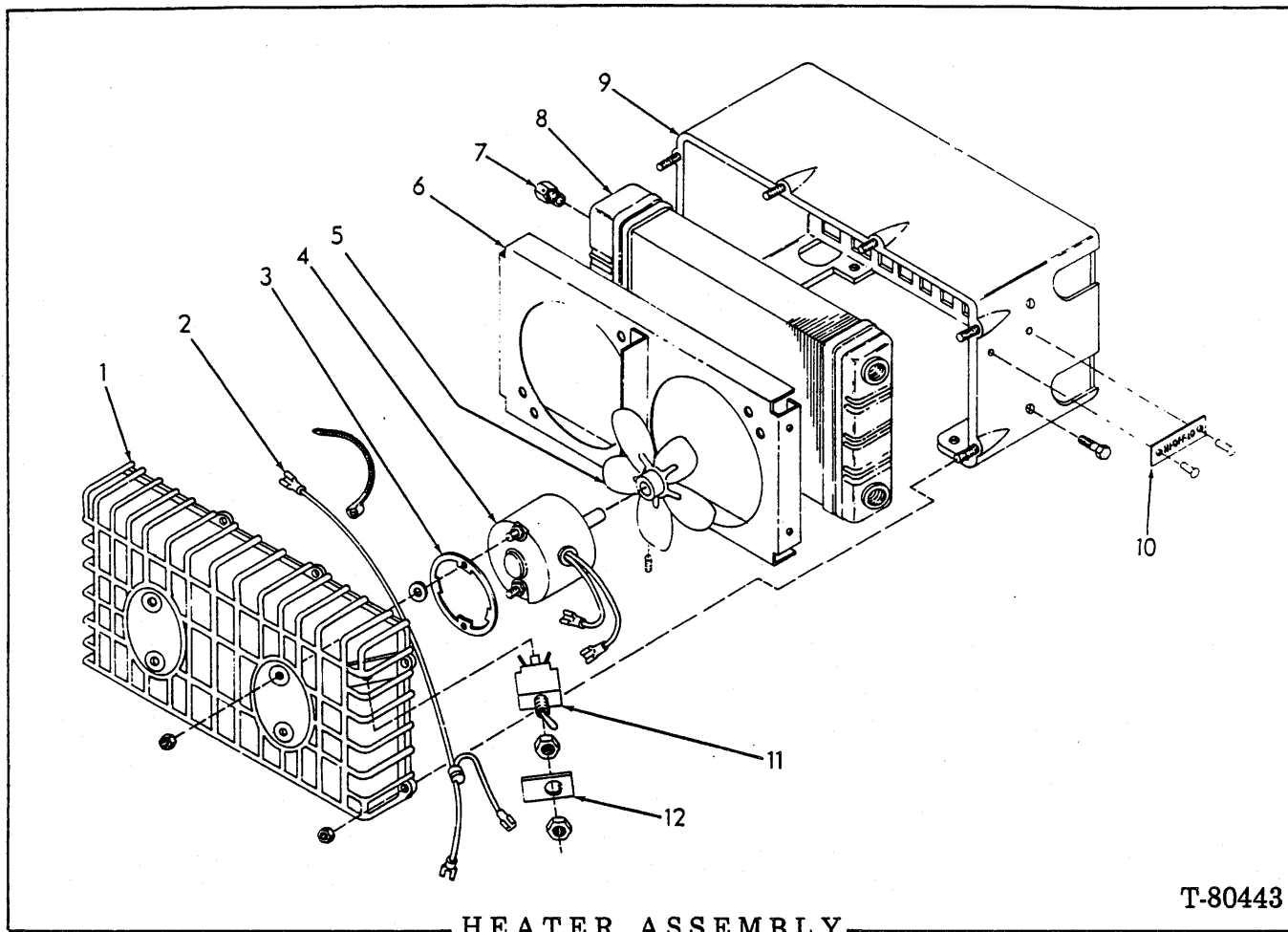
} Loader series  
33A only

\*Service for 5/8" diam. shaft. See item 13



USAGE: Special Equipment (Standard on Loader series 33A prior to S/N 33A07947)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058123	1	HEATER ASSY. (See page 267a)
	70915809	4	CAPSCREW, 5/16" NC x 3/4"
	70904205	4	LOCKWASHER, 5/6"
	70910335	4	WASHER, plain, 5/16"
2	73057773	2	BRACKET
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
3	-----	1	HOSE, 80" (Refer to item 9)
	70925063	1	ELBOW, 90°, 3/4" hose, 3/4" NPT male (Heater end)
	70927396	1	ELBOW, 90°, 3/4" hose, 1/2" NPT male (Engine end)
	70926867	1	CLAMP, hose support
	70921911	2	CLAMP, hose, 11/16" to 1-1/4"
4	-----	1	HOSE, 72" (Refer to item 9)
	70925063	1	ELBOW, 90°, 3/4" hose, 3/4" NPT male (Heater end)
	70929160	1	CLAMP, hose support
	70921911	2	CLAMP, hose, 11/16" to 1-1/4"
5	70927202	1	GROMMET
6	70925094	6	CLIP
7	73058884	1	VALVE, shut-off
	70901724	1	ELBOW, 90° street 1/2" NPT
8	73058126	1	WIRE ASSY.
9	73069299	-	HOSE (25' length - use as required)



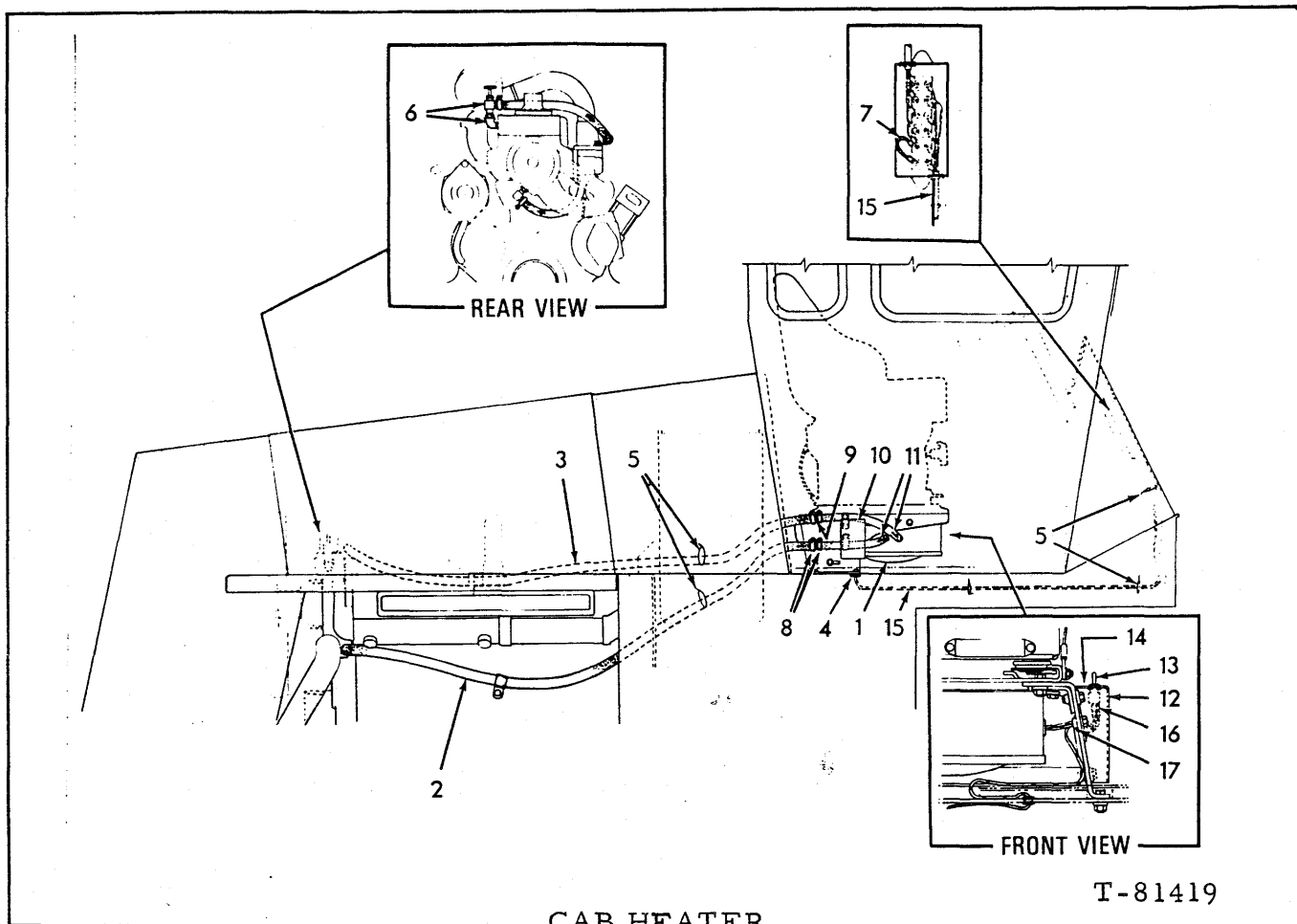
USAGE: Special equipment. (Standard on Loader series 33A prior to S/N 33A07947)(See page 267)

ITEM	PART NO.	QTY.	DESCRIPTION
-	73058123	1	HEATER ASSY. (includes items 1 thru 12)
1	73058341	1	COVER
	70928919	6	NUT, No. 10-32
2	73069267	1	WIRE ASSY.
	70925442	1	TIE
3	73058342	2	SPACER
4	73058343	2	MOTOR, 12v.
	70924353	4	WASHER, plain, 13/64"
	70928919	4	NUT, No. 10-32
	73070464	2	TERMINAL
5	73069006	2	FAN (includes SETSCREW indented below)
	70917570	2	SETSCREW, No. 10 NF x 1/4"
6	73058345	1	SHROUD
	70926020	4	SCREW, No. 10 x 5/8" self-tapping
7	73058348	1	VALVE,
8	73058346	1	CORE
9	73058340	1	CASE

Continued

# HEATER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	73069269	2	PLATE
	73070468	2	RIVET
11	73058347	2	SWITCH (Includes mounting hardware)
12	73069001	2	PLATE



USAGE: Loaders series 33A only effective serial No. 33A07947 and up

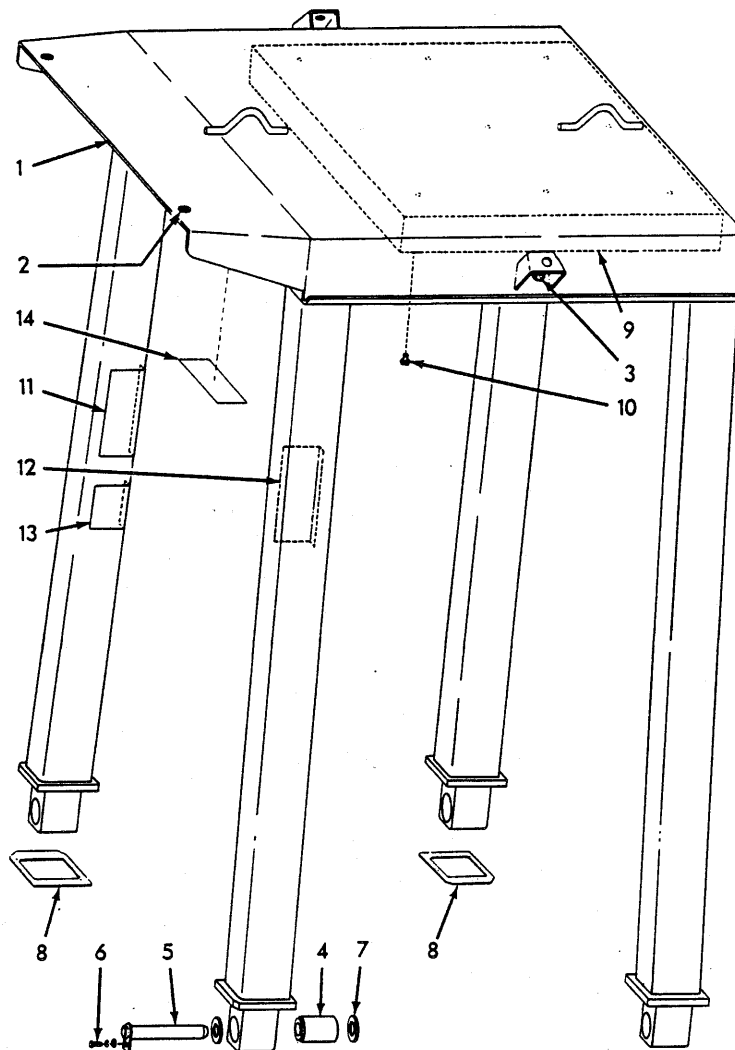
ITEM	PART NO.	QTY.	DESCRIPTION
1	73076716	1	HEATER ASSY. (Serviced only as a unit)
	70927400	4	CAPSCREW, 3/8"NC x 5/8"
	70677006	4	WASHER
2	-----	1	HOSE, 80" (Refer to item 18)
	70927396	1	ELBOW, 90°, 3/4" hose, 1/2"NPT male (Engine end)
	70926867	1	CLAMP, hose support
3	-----	1	HOSE, 72" (Refer to item 18)
	70929160	1	CLAMP, hose support
4	70927202	1	GROMMET
5	70925094	6	TIE
6	73058884	1	VALVE, shut-off
	70901724	1	ELBOW, 90° street 1/2"NPT
7	73058126	1	WIRE ASSY.
8	70921911	8	CLAMP, hose (11/16" to 1-1/4")
9	73077165	2	REDUCER, hose (3/4" to 5/8")
10	73076720	1	PLATE, hose supporting
	70927400	1	CAPSCREW, 3/8"NC x 5/8"
11	73128157	2	HOSE
	70929872	2	CLAMP
	70927400	2	CAPSCREW, 3/8"NC x 5/8"

(Continued)

## CAB HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	73076739	1	PLATE, switch mounting
	70927400	1	CAPSCREW, 3/8"NC x 5/8"
13	73059891	1	SWITCH (Includes hex nut and round nut)
14	73077168	1	DECAL
15	73077166	1	WIRE (105" long)
16	74255271	3	TERMINAL
17	70930860	1	GROMMET
18	73069299	-	HOSE (25' length - use as required)



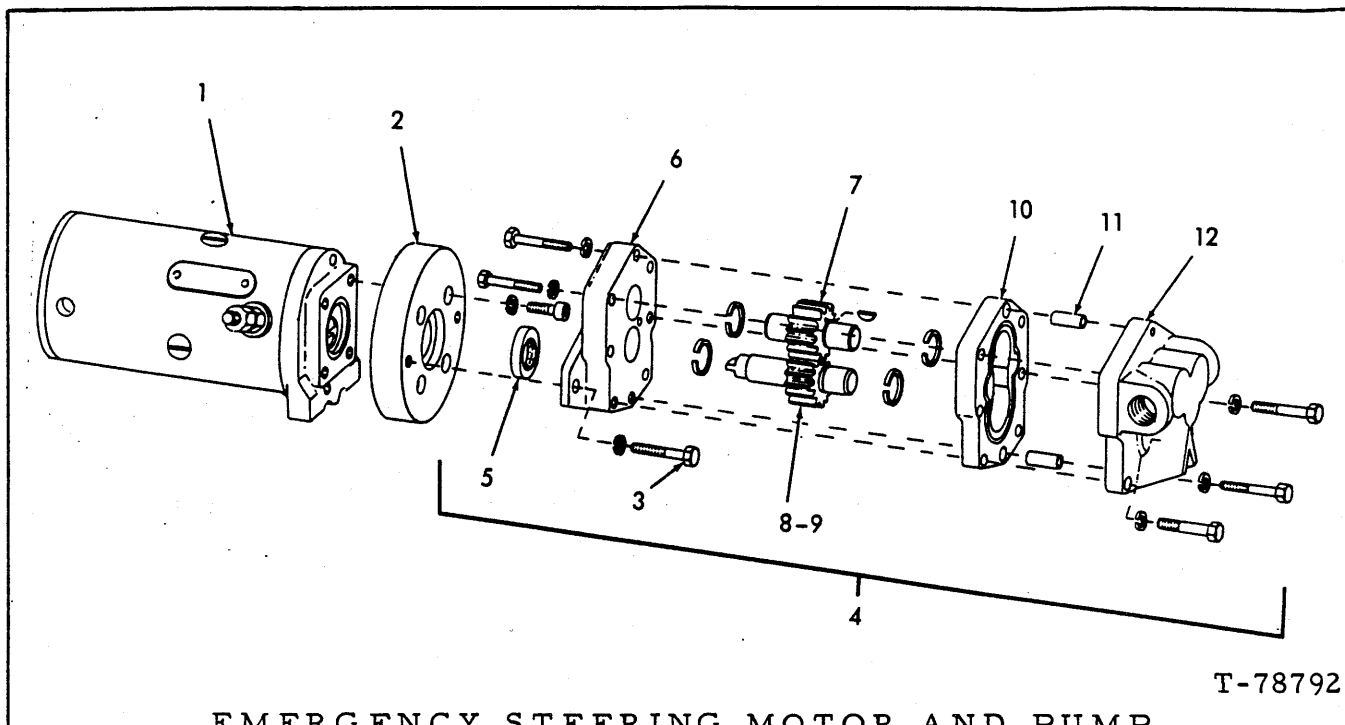


T-77304

CANOPY ASSEMBLY  
(ROPS)

USAGE: OPTIONAL EQUIPMENT

ITEM	PART NO.	QTY.	DESCRIPTION
1	73059946	1	CANOPY ASSY. (MACHINERY ITEM)(Includes 2 thru 14)
2	73059831	2	PLUG
3	73059832	2	PLUG
4	73059477	4	BUSHING
5	73059455	4	PIN
6	70915408	4	CAPSCREW, 3/8" x 3/4"
	70910287	4	LOCKWASHER, 3/8"
	70911115	4	WASHER, plain, 3/8"
7	70912299	4	WASHER, spacing 1-1/4"
8	73061582	4	PAD
9	73063053	1	HEADLINER
10	73063489	1	FASTENER (For canopies with mounting studs)
11	73066554	1	DECAL, start up, shut down
12	73066555	1	DECAL, operation
13	73066556	1	DECAL, bucket
14	73066560	1	DECAL, (ROPS)



# EMERGENCY STEERING MOTOR AND PUMP

USAGE: Special Equipment. See page 270 and 272.

ITEM	PART NO.	QTY.	DESCRIPTION
-	-----	1	MOTOR DRIVEN PUMP (Not serviced as an assy.)(Order items below)
1	73065643	1	MOTOR (Includes items 13 thru 25)
2	73065644	1	ADAPTER
	70925640	4	CAPSCREW, hex. skt. hd., 5/16" NC x 3/4"
	70931653	4	LOCKWASHER, 5/16"
3	70916272	2	CAPSCREW, 3/8" NC x 1-1/4"(pump to adapter)
	70910287	2	LOCKWASHER, 3/8"
4	73065637	1	PUMP ASSY. (Includes items 5 thru 12)
5	70669165	1	SEAL
6	-----	1	BODY ASSY. (Includes 2 bearings)
	70910898	1	CAPSCREW, 1/4" NC x 1-3/4"
	70904204	1	LOCKWASHER, 1/4"
	70919785	2	CAPSCREW, 5/16" NC x 1-3/4"
	70904205	2	LOCKWASHER, 5/16"
7	-----	1	IDLER GEAR ASSY. (Order item 4)
	70921396	1	KEY, woodruff, 1/8" x 3/8"
	73039013	2	RING
8	-----	1	SHAFT, drive (order item 4)
	70921396	1	KEY, woodruff, 1/8" x 3/8"
	73038933	2	RING
9	-----	1	GEAR (Order item 4)
10	74059000	1	PLATE
11	73065651	2	PIN
12	-----	1	COVER ASSY. (Includes 2 bearing)(Order item 4)
	70924638	1	CAPSCREW, 1/4" NC x 1-7/8"
	70904204	1	LOCKWASHER, 1/4"
	70919785	4	CAPSCREW, 5/16" NC x 1-3/4"
	70904205	4	LOCKWASHER, 5/16"

(Revised June 1984)

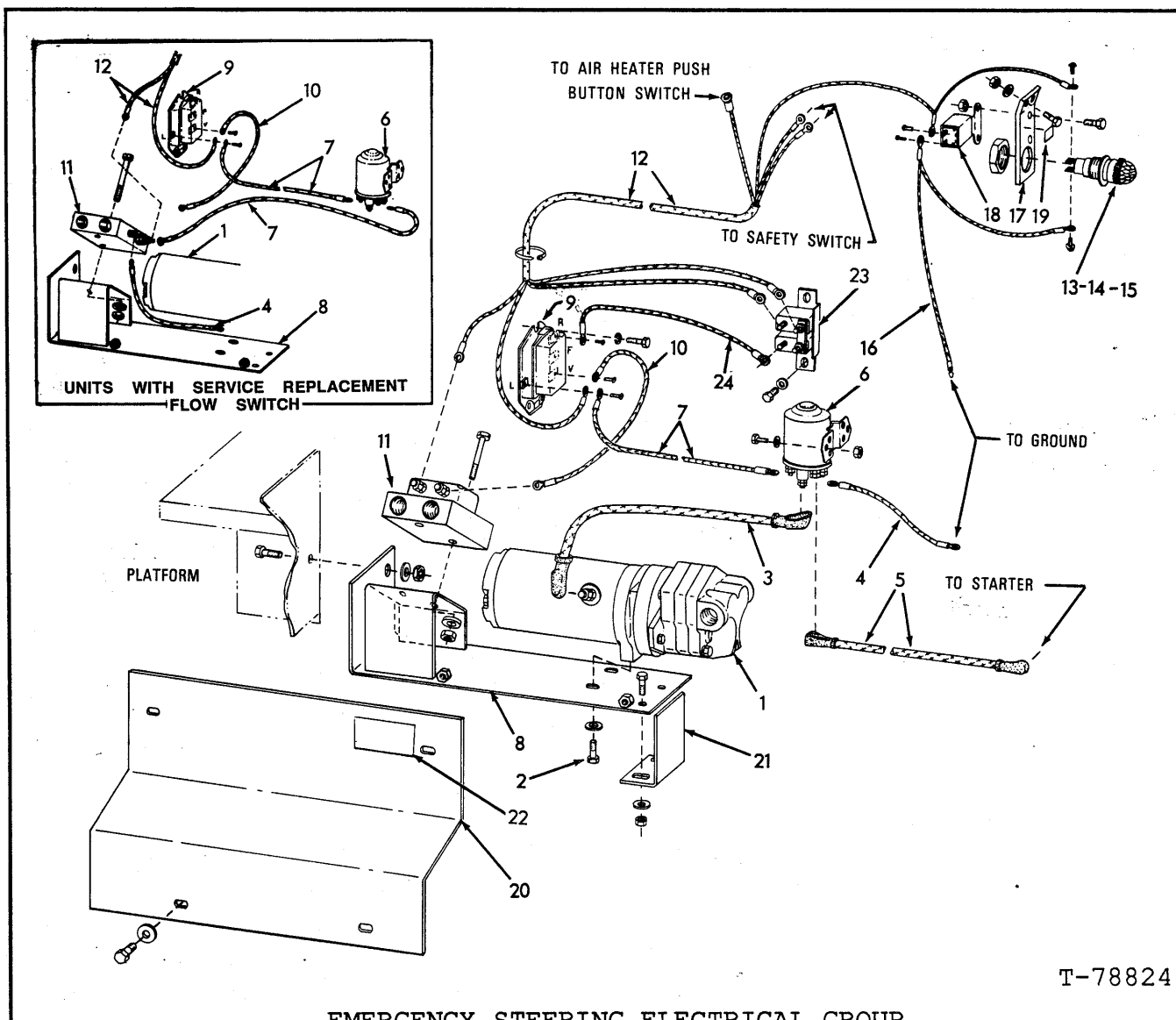
# EMERGENCY STEERING MOTOR AND PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
NOTE: Items 13 thru 25 are Not Illustrated.			
13	73075508	1	ARMATURE AND BEARING PACKAGE (Includes item 14)
14	73075525	2	BEARING
15	73075509	1	BEARING AND SPACER PACKAGE (Includes item 14)
16	73075510	1	FIELD COIL PACKAGE
17	73075522	1	HARDWARE PACKAGE
18	73075505	1	HEAD ASSY., (COMM. END)
19	73075507	1	HEAD ASSY., (DRIVE END)
20	73075511	1	PLATE ASSY. (Includes items 21,22)
21	73075533	1	BRUSH SET
22	73075534	1	SPRING SET (BRUSH)
23	73075520	1	TERMINAL STUD PACKAGE
24	73075522	1	THRU BOLT PACKAGE
25	73075518	1	THRUST WASHER PACKAGE

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EMERGENCY STEERING ELECTRICAL GROUP

USAGE: Special Equipment

NOTE: Essential to use high output alternator listed on page 245.  
Also see page 272.

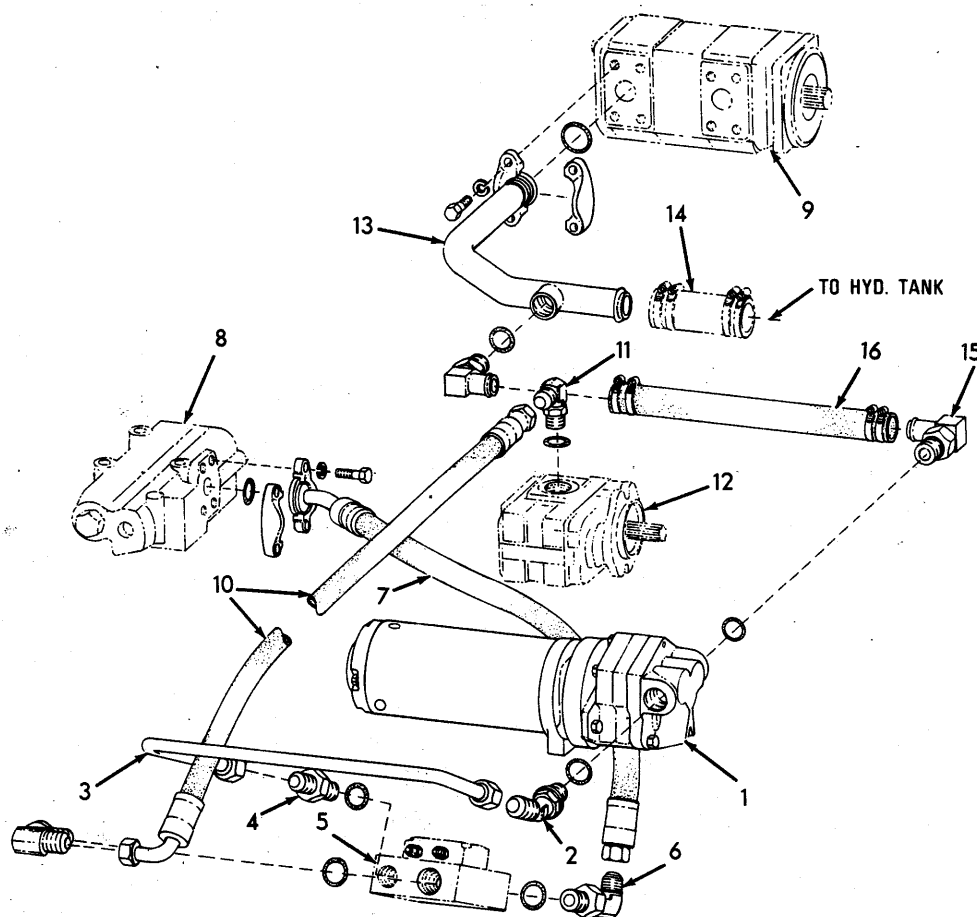
ITEM	PART NO.	QTY	DESCRIPTION
1	-----	1	MOTOR DRIVEN PUMP (See page 269)
2	70922763	2	CAPSCREW, 3/8"NC X 1"
	70677006	2	WASHER, 3/8"
3	73064636	1	CABLE
4	73064635	1	WIRE ASSY.
5	73064220	1	CABLE
6	73066810	1	SOLENOID, 12 volt (Serviced only as a unit)
	70928182	2	CAPSCREW, 1/4"NC X 1/2"
	70677004	2	WASHER, 1/4"
	-----	2	WELDNUT, 1/4"
7	73064740	2	WIRE ASSY. (one less used on units with original (First type) (Flow Switch)

(Continued)

(Revised April, 1988)

# EMERGENCY STEERING ELECTRICAL GROUP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	73064765	1	PLATE, weld assy.
	70922763	4	CAPSCREW, 3/8" NC x 1"
	70677006	4	WASHER, 3/8"
	70900367	4	NUT, 3/8" NC
9	71005917	1	RELAY
	70927401	3	CAPSCREW, 1/4" NC x 1"
	70677004	3	WASHER, 1/4"
	70900365	3	NUT, 1/4" NC
10	73064741	1	WIRE ASSY.
11	-----	1	FLOW SWITCH (See pages 272, 273A)
	70927218	2	CAPSCREW, 3/8" NC x 2-3/4"
	70677006	2	WASHER, 3/8"
	70900367	2	NUT, 3/8" NC
12	73064739	1	WIRE HARNESS
	70925094	12	TIE
13	73034558	1	LIGHT ASSY. (includes items 14 and 15 but not BULB below)
	70928606	1	BULB
14	-----	1	SOCKET (order item 13)
15	73044614	1	LENS
16	73065213	1	WIRE ASSY.
17	73065202	1	PLATE
	70922763	2	CAPSCREW, 3/8" NC x 1"
	70677006	2	WASHER, 3/8"
	70900367	2	NUT, 3/8" NC
18	73057951	1	BUZZER
	70927401	2	CAPSCREW, 1/4" NC x 1"
	70900365	2	NUT, 1/4" NC
19	73067623	1	DECAL, emergency steering
20	73064774	1	PLATE (also see item 2 page 211)
	70922763	2	CAPSCREW, 3/8" NC x 1"
	70677006	2	WASHER, 3/8"
21	73064763	1	PLATE
22	73066564	1	DECAL, warning (not illustrated)
23	73068623	1	DIODE ASSY.
	70928182	2	CAPSCREW, 1/4" NC x 1/2"
	70677004	2	WASHER
24	73057436	1	WIRE ASSY.



T-78825

### EMERGENCY STEERING HYDRAULIC GROUP

USAGE: Special Equipment, First type. See page 273A for design on units with service replacement Flow Switch Kit).

NOTE: Essential to use high output alternator listed on page 245. Also see page 270 and see item 16 page 127.

ITEM	PART NO.	QTY	DESCRIPTION
1	-----	1	MOTOR DRIVEN PUMP (See page 269)
2	70921728	1	ELBOW, 45°, 3/4" tube, 1-1/16" st.thd. Includes O-ring indented below)
	70921206	2	O-RING
3	73064773	1	TUBE ASSY.
4	70921217	1	CONNECTOR, 3/4" tube, 1-1/16" st.thd. Includes O-ring indented below)
	70921206	1	O-RING
5	-----	1	FLOW SWITCH (First type. Order service replacement Flow Switch Kit 73150674. See page 273A.
6	70922632	2	ELBOW, 3/4" tube, 1-5/16" st.thd. Includes O-ring indented below)
	70921214	2	O-RING
7	73064771	1	HOSE ASSY.
	70923718	1	O-RING
	70921116	2	FLANGE, 1"
	70916272	4	CAPSCREW, 3/8" NC X 1-1/4"
	70910287	4	LOCKWASHER, 3/8"

(Continued)

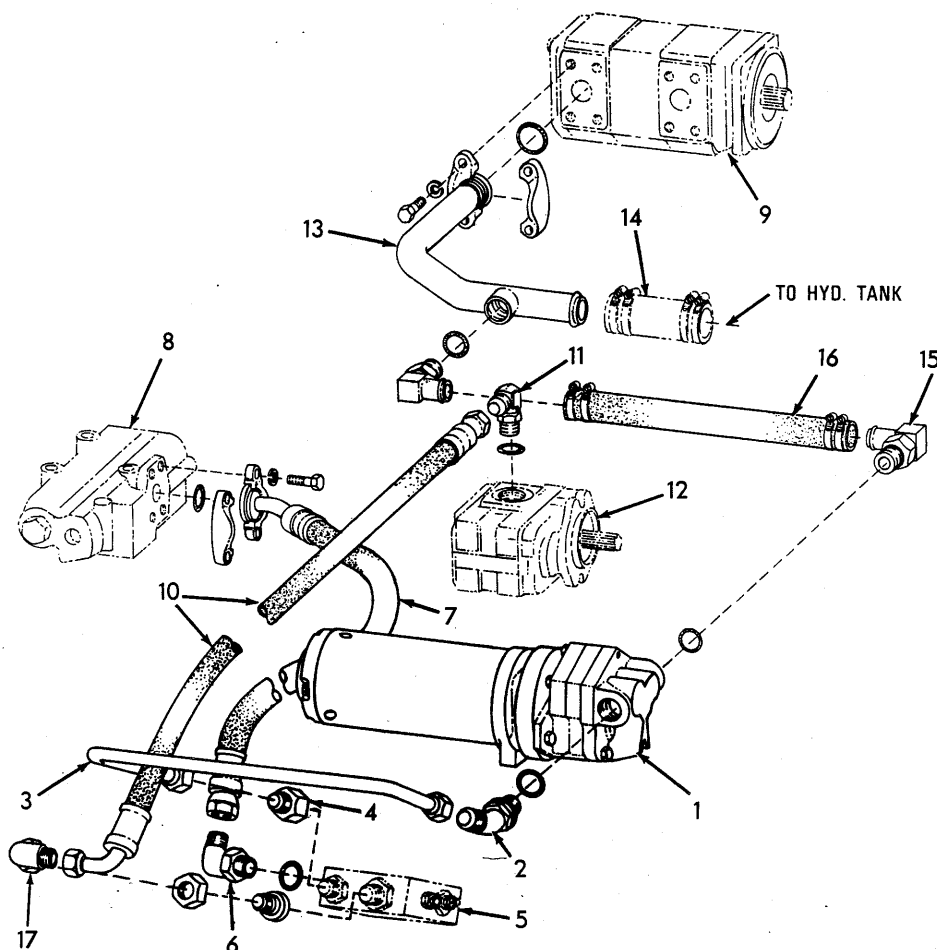
(Revised April, 1988)

EMERGENCY STEERING HYDRAULIC GROUP (Continued)

ITEM	PART NO.	QTY	DESCRIPTION
8	-----	1	VALVE ASSY., demand (See page 161)
9	-----	1	PUMP ASSY., hydraulic (See page 169)
10	73064744	1	HOSE ASSEMBLY
11	70922974	1	ELBOW, 3/4" tube, 7/8" st. thd. (Includes O-ring indented below)
	70921205	1	O-RING
12	-----	1	PUMP ASSY., steering (See page 161)
13	73064775	1	TUBE ASSY.
	70923664	1	O-RING
	70921116	2	FLANGE, 1"
	70916272	4	CAPSCREW, 3/8" NC X 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
14	-----	1	HOSE (See page 165)
15	70929259	2	ELBOW, 1" tube, 1-1/16" st. thd.
16	73065984	1	HOSE
	70922660	4	CLAMP, 13/16" to 1-1/2"

(Revised April, 1988)





EMERGENCY STEERING HYDRAULIC GROUP

USAGE: Special Equipment. (Second type, for units with service replacement Flow Switch Kit)

NOTE: Also see page 272.

ITEM	PART NO.	QTY	DESCRIPTION
1	-----	1	MOTOR DRIVEN PUMP (See page 269)
2	70921728	1	ELBOW, 45°, 3/4" tube, 1-1/16" st. thd. Includes O-ring indented below)
	70921206	1	O-RING
3	73064773	1	TUBE ASSY.
4	73150675	1	• ADAPTER
5	73075084	1	• FLOW SWITCH (See page 273C for parts)
6	70922632	1	ELBOW, 3/4" tube, 1-5/16" st. thd. Includes O-ring indented below)
	70921214	1	O-RING
7	73064771	1	HOSE ASSEMBLY
	70923718	1	O-RING
	70921116	2	FLANGE, 1"
	70916272	4	CAPSCREW, 3/8"NC X 1-1/4"
	70910287	4	LOCKWASHER, 3/8"

(Continued)

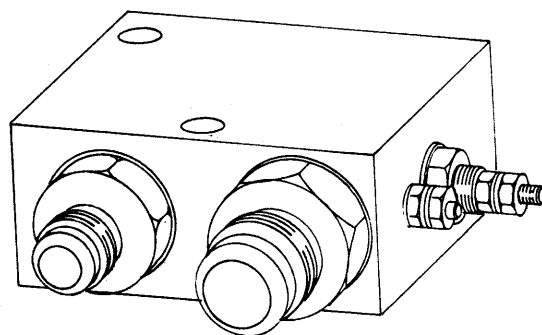
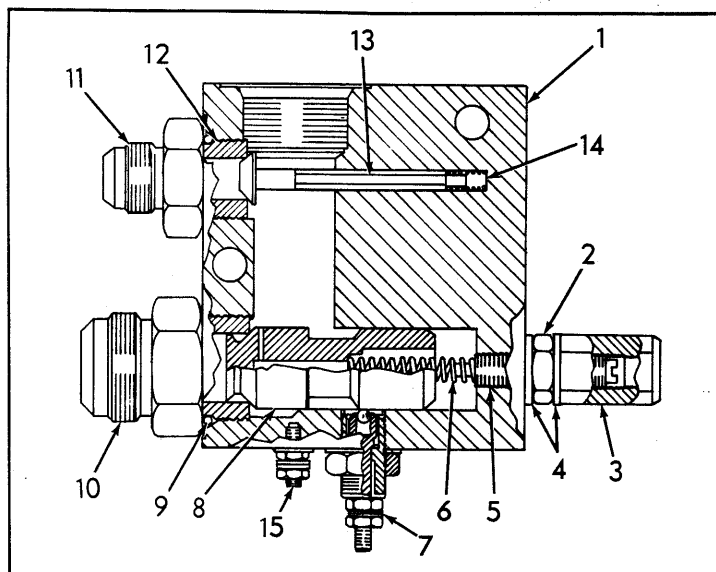
(Added April, 1988)

# EMERGENCY STEERING HYDRAULIC GROUP (Continued)

ITEM	PART NO.	QTY	DESCRIPTION
8	-----	1	VALVE ASSY., demand (See page 161)
9	-----	1	PUMP ASSY., hydraulic (See page 169)
10	73064744	1	HOSE ASSY.
11	70922974	1	ELBOW, 3/4" tube, 7/8" st.thd. Includes O-ring indented below)
	70921205	1	O-RING
12	-----	1	PUMP ASSY., steering (See page 161)
13	73064775	1	TUBE ASSY.
	70923664	1	O-RING
	70921116	2	FLANGE, 1"
	70916272	4	CAPSCREW, 3/8" NC X 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
14	-----	1	HOSE (See page 165)
15	70929259	2	ELBOW, 1" tube, 1-1/16" st.thd.
16	73065984	1	HOSE
	70922660	4	CLAMP, 13/16" to 1-1/2"
17	70919625	1	• ELBOW, flare type, 90°, swivel nut, 1" tube
	70919198	1	• NUT
	70925854	1	• ADAPTER
18	73150674	1	KIT, flow switch (Includes items 4, 5, 17 and wire 73064740)

•Components of item 18

(Added April, 1988)



FLOW SWITCH ASSEMBLY

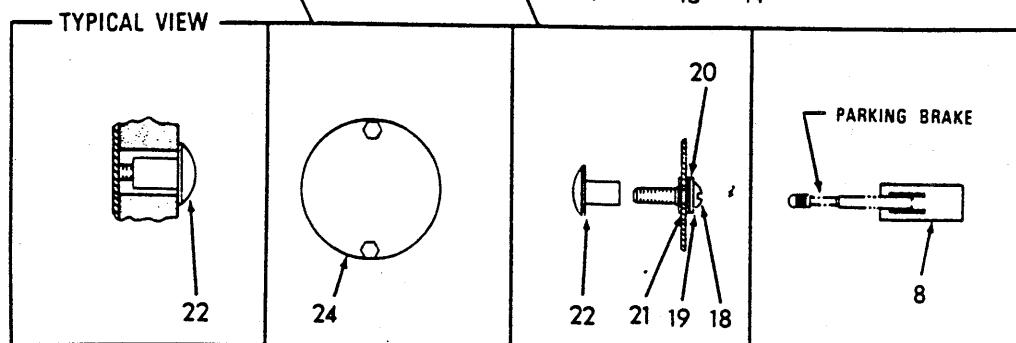
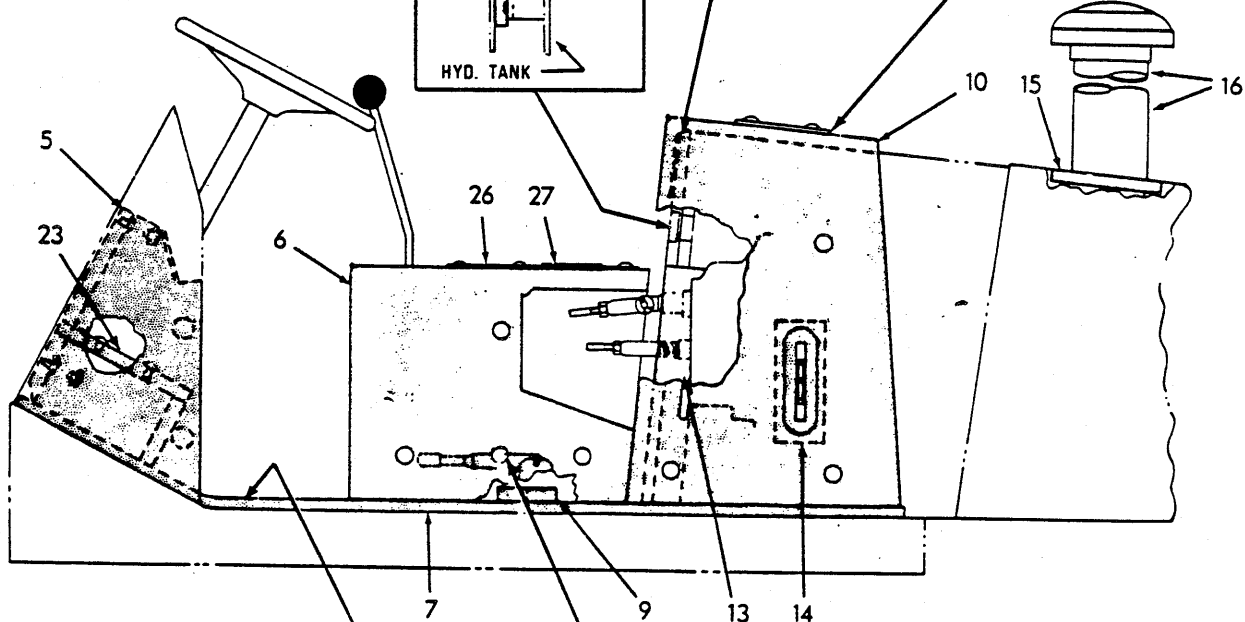
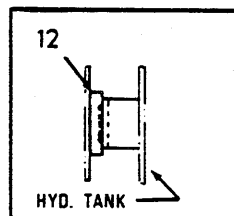
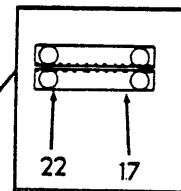
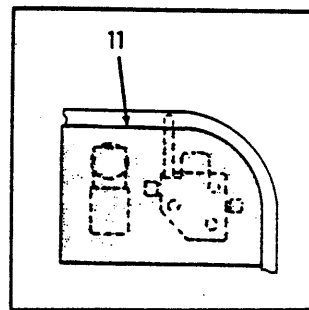
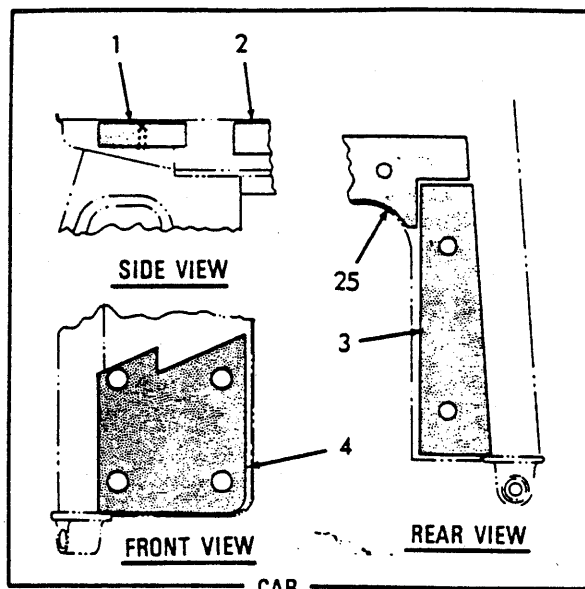
T-0296

USAGE: See page 273

ITEM	PART NO.	QTY	DESCRIPTION
-	73075084	1	FLOW SWITCH (Includes items 1-15)
1	-----	1	BODY(Not serviced)
2	70910876	1	NUT
3	73139349	1	CAP
4	73139350	2	WASHER
5	73139351	1	SCREW, adjusting
6	73139352	1	SPRING, control
7	73139376	1	SWITCH ASSY.(Includes instructions. Serviced only as a unit)
8	73139354	1	POPPET, control
9	70921206	1	O-RING
10	73139355	1	ORIFICE SEAT, Primary
11	73139356	1	CHECK SEAT, Emergency
12	70921214	1	O-RING
13	73139357	1	POPPET, Emergency check
14	73139358	1	SPRING
15	73139359	1	STUD
	70901408	2	NUT
	70906938	2	WASHER
	70904203	1	LOCKWASHER

(Added April, 1988)





SOUND SUPPRESSION GROUP

T-78761

# SOUND SUPPRESSION GROUP

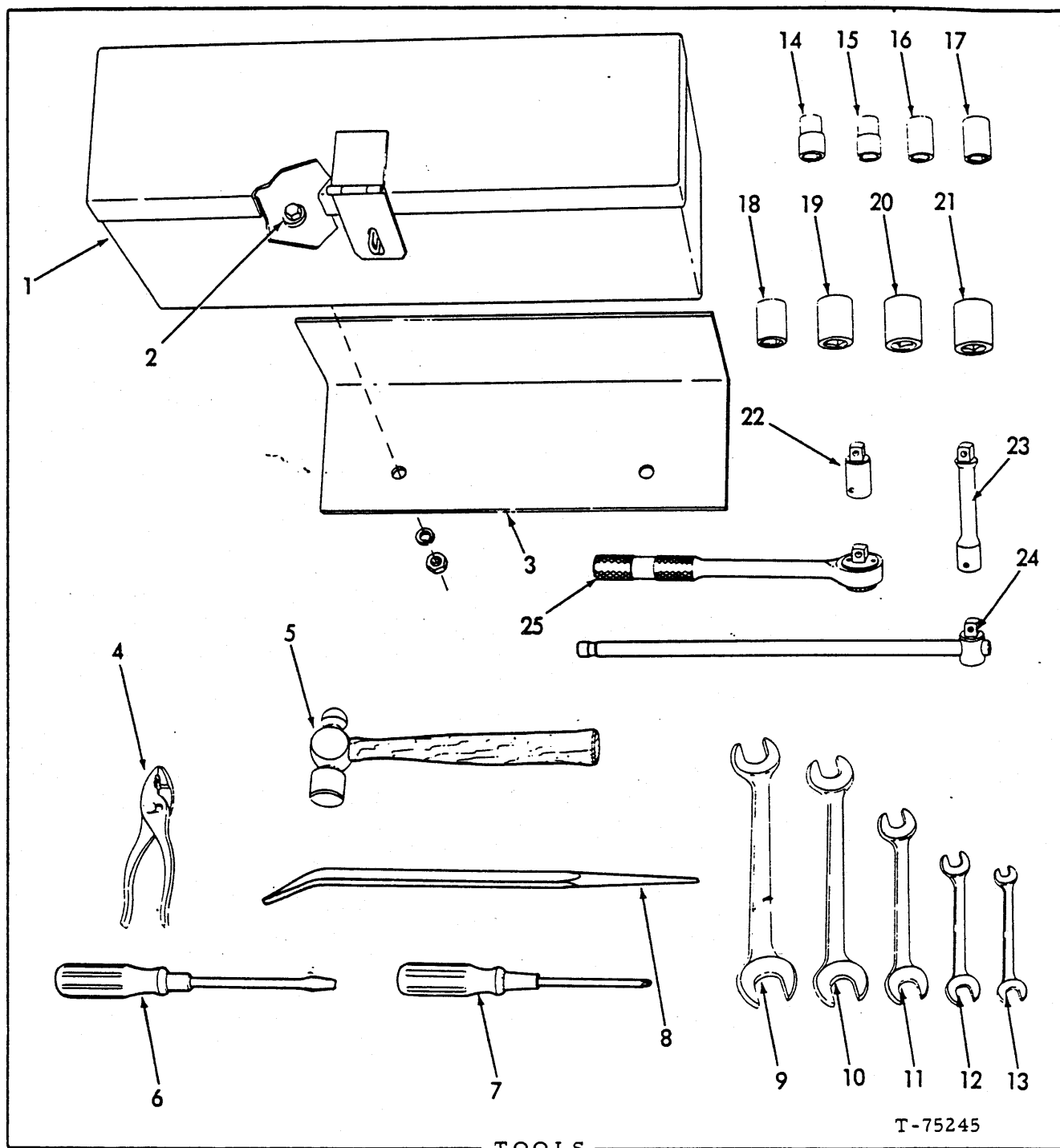
USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	-----	1	SOUND SUPPRESSION GROUP (See Machinery Manual) (Includes item 1 thru 27)
1	73063052	1	HEADLINER, front
2	73063053	1	HEADLINER, rear
3	{ 73063197	1	CLOSURE PANEL LINER, left
	{ 73063198	1	CLOSURE PANEL LINER, right
4	{ 73063139	1	QUARTER PANEL LINER, left
	{ 73063140	1	QUARTER PANEL LINER, right
5	{ 73063137	1	COWL LINER, left
	{ 73063138	1	COWL LINER, right
6	{ 73063882	1	CONSOLE LINER ASSY. (Standard)
	{ 73063883	1	CONSOLE LINER ASSY. (Single lever)
			(Also order stickers on pages 279 and 280)
7	73063312	1	FLOORMAT
8	73063343	1	PARKING BRAKE MAT
9	73063375	1	BARRIER, kick-out line
10	73063893	1	BONNET LINER ASSY. (Also order stickers on pages 279 and 280)
11	73063170	1	BARRIER, clutch cut-off
12	73063169	2	BARRIER, seat belt
	70931398	2	PLUG (For machines without seat belts)
13	73063331	1	BARRIER, control valve
14	73063171	1	BARRIER, sight gauge
15	73063313	1	BARRIER, air inlet
16	73063315	1	TUBE, weld assy. (Does not include CAP)
17	73063362	4	ANGLE
18	{ 70916532	5	SCREW, 1/4" NC x 3/4"
	{ 70922028	9	SCREW, 1/4" NC x 1-3/4"
	{ 70917451	59	SCREW, 1/4" NC x 1"
19	70911114	73	WASHER, 1/4"
20	73063605	73	WASHER, rubber
21	73063513	73	TENSION NUT

(Continued)

# SOUND SUPPRESSION GROUP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	70687557	8	FASTENER 1/2" x 3/4"
	73063489	13	FASTENER 1/2" x 1-3/4"
	73063488	52	FASTENER 1/2" x 3/4"
23	73063600	1	STEERING VALVE COVER MAT
24	73063389	1	COVER
	70927187	2	SCREW, self-tap, 3/8" x 1"
25	73063948	1	REAR WINDOW LINER
26	73067022	1	PLATE, decal mounting
27	73065887	1	DECAL, starting instruction (Simms pump)
	73070500	1	DECAL, starting instruction (Roosa Master pump)



USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73062086	1	BOX
2	70916271	2	CAPSCREW, 3/8" NC x 1-1/4"
	70911115	2	WASHER, plain, 3/8"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
			(Continued)



TOOLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	73062087	1	BRACKET, tool box mounting (Requires welding to install)
4	70012389	1	PLIERS, slip joint, 6"
5	70012387	1	HAMMER, ball peen, 1 lb.
6	70036268	1	SCREWDRIVER, 9-3/4" long
7	70914732	1	SCREWDRIVER, Phillips #2
8	70052371	1	BAR, pinch, 16" long
9	70050611	1	WRENCH, open end, double head, 15°, 15/16" and 1-1/16"
10	70050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
11	70050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
12	70050608	1	WRENCH, open end, double head, 15°, 1/2" and 9/16"
13	70050607	1	WRENCH, open end, double head, 15°, 3/8" and 1/2"
14	70914709	1	SOCKET, 1/2" square drive, 1/2" hex
15	70914710	1	SOCKET, 1/2" square drive, 9/16" hex
16	70914711	1	SOCKET, 1/2" square drive, 5/8" hex
17	70914712	1	SOCKET, 1/2" square drive, 11/16" hex
18	70914713	1	SOCKET, 1/2" square drive, 3/4" hex
19	70914714	1	SOCKET, 1/2" square drive, 7/8" hex
20	70914715	1	SOCKET, 1/2" square drive, 15/16" hex
21	70914716	1	SOCKET, 1/2" square drive, 1" hex
22	70914717	1	BAR, extension, socket, 1/2" drive, 2" long
23	70914718	1	BAR, extension, socket, 1/2" drive, 5" long
24	70050612	1	HANDLE, socket, sliding T, 1/2" square drive, 15" long
25	70914719	1	HANDLE, socket, ratchet, 1/2" square drive

# PAINTING AND MARKING

(not illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73067498	1	DECAL KIT (includes items 6 thru 48 except item 11)
2	70698037	-	ENAMEL, F-A yellow orange, 12 oz aerosol can (effective with unit no. 05573)
3	{ 70925110	-	ENAMEL, A-C yellow, gal. can (used prior to unit no. 05573)
	{ 70698038	-	ENAMEL, F-A yellow orange, gal. can (effective with unit no. 05573)
4	70925108	-	ENAMEL, A-C yellow, 12 oz aerosol can (used prior to unit no. 05573)
5	70925433	-	ENAMEL, black, quart can
6	{ 70924457	1	DECAL, A-C trademark ( front of cowl)
	{ 70694423	1	*DECAL, F-A trademark (front of cowl)
7	{ 70924534	2	DECAL, A-C trademark (each side of hood)
	{ 70694430	2	*DECAL, F-A Fiat-Allis (each side of hood)
8	{ 70924551	3	DECAL, Allis-Chalmers (each side of hood and counterweight)
	{ 70694436	1	*DECAL, Fiat-Allis (rear counterweight)
9	{ 73058167	3	DECAL, 545 (cowl and radiator support)
	{ 70694459	3	*DECAL, "545-B" (front of cowl and each side of front frame)
10	73058036	1	DECAL (circuit breaker box)
11	74061463	1	ACTIVATOR (pint can)(improves adhesion of decals)
12	73062870	1	DECAL, stripe (25' roll - use as required)
13	{ 73065887	1	DECAL, engine starting (prior to unit no. 06870)
	{ 73070500	1	DECAL, engine starting (units 06870 and up)
14	73066551	1	DECAL, low air pressure (instrument panel)
15	73066552	2	DECAL, stay off ladder (L.H. side rear frame)
16	73066553	1	DECAL, emergency brake (instrument panel)
17	73066554	1	DECAL, start up - shut down)
18	73066555	1	DECAL, operation
19	73066556	1	DECAL, bucket
20	73066557	2	DECAL, articulation (front frame)
21	{ 73066816	1	DECAL, shift instruction (2-speeds forward, 1-reverse) (transmission control assy.)
	{ 73066817	1	DECAL, shift instruction (2-speeds forward, 2-reverse) (transmission control assy.)
22	73066896	1	PIX, decor group (location of all decals)
23	73067352	1	DECAL, installation pix
24	73067606	1	DECAL, clutch release (front of bonnet)
25	73067607	1	DECAL, oil level (left side of bonnet)
26	73067611	1	DECAL, hydraulic tank (underside of tank cover)
27	73067620	1	DECAL, loader control (hydraulic console)
28	73067621	1	DECAL, air restrictor indicator (front of bonnet)
29	73067624	2	DECAL, relief fitting (L.H. and R.H. sides of front frame)
30	73067625	1	DECAL, engine shut-off (front of bonnet)
31	73067712	1	DECAL, patent (left front side of platform)
32	73067627	1	DECAL, rear axle disconnect (hydraulic console)
33	{ 73069202	1	DECAL, lube and service, English
	{ 73064221	1	DECAL, lube and service, French
	{ 73064227	1	DECAL, lube and service, Spanish
34	73107881	2	DECAL, blades and belts (front of radiator support)

front cab  
and canopy  
posts

L.H. side of front  
frame. English version  
with item 1 only.

(Continued)

# PAINTING AND MARKING (Continued)

(not illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
35	73107882	1	DECAL, flammable vapors (R.H. side radiator support)
36	73107884	1	DECAL, fluid pressure (top of radiator support)
37	73107890	2	DECAL, scissors point (dump cylinder)
38	73107894	1	DECAL, element cleaning (air cleaner housing)
39	73107895	1	DECAL, do not start (instrument panel)
40	73107897	1	DECAL, inoperative brakes (L.H. side platform)
41	73108722	1	DECAL, starting fluid (air intake stack)
42	73108815	1	DECAL, check air tanks (air tank covers)
43	73108820	1	DECAL, brake fluid (L.H. air tank cover)
44	73109131	1	DECAL, instruction manual (L.H. side of seat)
45	73109134	1	DECAL, battery disconnect (L.H. side radiator support)
46	73109796	1	APPLICATOR (for smoothing decals)
47	73109818	1	INSTRUCTION, decal storage and application
48	73112663	1	DECAL, filter (air cleaner housing)
49	73058875	3	DECAL, series B (cowl and radiator support)
50	73059232	2	DECAL, smooth shift transmission (power cluster covers)
51	73059274	1	DECAL, engine start-stop (hydraulic console)
52	73065888	1	DECAL, engine start instruction (hydraulic console)
53	73066564	1	DECAL, emergency steering
54	73067622	1	DECAL, single lever control (hydraulic console)
55	73105127	1	DECAL, alternator
56	73109097	1	COOLANT TAG
57	73121305	1	KIT, machine sign, French
58	73121306	1	KIT, machine sign, Italian
59	73121308	1	KIT, machine sign, Spanish

} See NOTE

\*Included with item 1

NOTE: Each includes all decals required for complete marking of the machine, but does not include Trademark or model designation decals.

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